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BIENNIAL REPORT

OF THE

STATE ENGINEER

OF

WYOMING

1909-1910

Compliments of

Clarence T. Johnston

State Engineer.

CHRYSTAL LAKE DAM, CHEYENNE WATER WORKS

TENTH BIENNIAL REPORT

OF THE

STATE ENGINEER

TO THE

GOVERNOR OF WYOMING

1909-1910

CHEYENNE, WYO.
THE S. A. BRISTOL CO., PRINTERS AND BINDERS
1910

LETTER OF TRANSMITTAL

To the Honorable
BRYANT B. BROOKS,
Governor.

Sir:—

In accordance with the provisions of Section 155, Chapter 19, Compiled Statutes of 1910, I have the honor to submit herewith, a report covering the work of this department during the past two years

Respectfully,
CLARENCE T. JOHNSTON,
State Engineer.

Cheyenne, November 30, 1910.

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OFFICERS

Having in Charge the Administration of the Irrigation Laws of Wyoming

Clarence T. Johnston	State Engineer
Henry G. Watson	Assistant State Engineer
Harry A. Patten	Assistant State Engineer
Justin T. Kingdon	Assistant State Engineer
Ralph D. Goodrich	Deputy State Engineer
Harry A. Patten	Deputy State Engineer
Justin T. Kingdon	Deputy State Engineer

DIVISION SUPERINTENDENTS

Pitt Covert, Cheyenne	Superintendent Water Division No. 1
Harry Fulmer, Sheridan	Superintendent Water Division No. 2
Lou Blakesley, Basin	Superintendent Water Division No. 3
Walter B. Dunton and Lloyd Thomas, Rock Springs	Superintendent Water Division No. 4

WATER COMMISSIONERS

Division No. 1

William Guiterman, Cheyenne	Commissioner District No. 1
George W. Snow, Little Bear	Commissioner District No. 2
J. L. Jordan, Iron Mountain	Commissioner District No. 3
Price Jacobs, Laramie	Commissioner District No. 4
E. J. Wilson, Mandel	Commissioner District No. 5
Ralph W. Wood, Bennett	Commissioner District No. 6
Frank Munz, Saratoga	Commissioner District No. 7
H. S. Ellis, Dixon	Commissioner District No. 8
F. E. Place, Freeland	Commissioner District No. 9
Wm. S. Miller, Miller	Commissioner District No. 10
E. L. McGraugh, Freeland	Commissioner District No. 11
Alvy Dixon, Rockdale	Commissioner District No. 12
W. J. Sheldon, Glendo	Commissioner District No. 13
Wm. M. Reynolds, Lusk	Commissioner District No. 14
O. T. Freeman, Douglas	Commissioner District No. 15
Harry C. Young, Glenrock	Commissioner District No. 16
Henry Mudd, Wheatland	Commissioner District No. 17
A. L. Bishop, Marshall	Commissioner District No. 18
James M. Graham, Myersville	Commissioner District No. 19
Edward J. Scherck, Bucknum	Commissioner District No. 20
Frank Smith, Casper	Commissioner District No. 21

Division No. 2

Edward Thomson, Newcastle	Commissioner District No. 1
Alonzo B. Taylor, Greub	Commissioner District No. 2
Fred Firnekas, Buffalo	Commissioner District No. 3
M. R. Enos, Big Horn	Commissioner District No. 4
J. S. Wilson, Dayton	Commissioner District No. 5
Andrew Hoaglan, Slack	Commissioner District No. 6
Truman L. Fox, Sundance	Commissioner District No. 7
Alfred Griggs, Griggs	Commissioner District No. 8
John S. Krinn, Story	Commissioner District No. 9
W. R. Fox, Gillette	Commissioner District No. 10
Walter Zachary, Arvada	Commissioner District No. 11
John Storrie, Hat Creek	Commissioner District No. 12

Division No. 3

A. A. Cyphert, Dallas	Commissioner District No. 1
L. P. Hudson, Lander	Commissioner District No. 2
F. A. Welty, Dubois	Commissioner District No. 3
Alonzo B. Ray, Thermopolis	Commissioner District No. 4
Alonzo B. Ray, Thermopolis	Commissioner District No. 5
A. H. Morton, Ten Sleep	Commissioner District No. 6
Tobias Borner, Shell	Commissioner District No. 7
James S. McNiven, Burlington	Commissioner District No. 8
A. J. Martin, Cody	Commissioner District No. 9
W. H. Woods, Clark	Commissioner District No. 10
Kenneth McClellan, Lost Cabin	Commissioner District No. 11
Asa Mercer, Jr., Hyattville	Commissioner District No. 12
I. J. Denton, Neiber	Commissioner District No. 13
	Commissioner District No. 14
Grant Brown, Chrystal	Commissioner District No. 15
J. W. Owens, Shoshoni	Commissioner District No. 16

Division No. 4

John Kent, Rock Springs	Commissioner District No. 1
Syl. Collett, Cokeville	Commissioner District No. 2
J. W. Field, Lyman	Commissioner District No. 3
Henry Lester, Knight	Commissioner District No. 4
Maurice Thomas, Viola	Commissioner District No. 5
T. A. Francis, Rock Springs	Commissioner District No. 6
George A. Hittle, Olson	Commissioner District No. 7
William Kennington, Afton	Commissioner District No. 8
	Commissioner District No. 9
Herman Rich, Big Piney	Commissioner District No. 10
Robert T. Albert, Bronx	Commissioner District No. 11
Robert T. Albert, Bronx	Commissioner District No. 12
Clark Logan, Burnt Fork	Commissioner District No. 13
O. E. Williams, Jackson	Commissioner District No. 14
S. Lloyd Spicer, Grovont	Commissioner District No. 15
Clark Logan, Burnt Fork	Commissioner District No. 16
D. M. Ross, Freedom	Commissioner District No. 17

Report of the State Engineer

INTRODUCTION

This is the fourth report of the State Engineer of Wyoming to be submitted by the present incumbent of that office. In preparing a summary of the work of the department for the past seven and one-half years, it seems fitting that two or three matters of a somewhat personal nature be reviewed.

The State Engineer is very appreciative of the uniform support that the water users of the State have given the office. An attempt has been made by him to serve the large majority of water users and to show none special favors. Communities rather than individuals have been considered. This, we believe, is the intent of the law. It is what the law should uphold. Water can only be public property when the public is protected. If any individual, or any association of individuals, is given an absolute ownership in water or even in water rights, then, not only other individuals, but entire communities, must suffer. A part of this report is devoted to a discussion of the water right question. The reader is referred thereto.

It is natural that the State Engineer should be criticized here and there, when the individual is prevented from doing those things which would mean disaster to his neighbors. It is natural that such an individual should be more active in his opposition to the State Engineer than these neighbors are in the defense of that officer. The individual realizes how much he is affected by the ruling of the State Engineer. The community seldom appreciates that it is benefited by such action. Quite often the individual is able to arouse the hostility of those whose interests are protected by the State Engineer's decision.

The public generally has but little conception of the duties of State officers. The individual who deals with the State Engineer's office has only his own case in mind. The man who mails an application for permit to the State Engineer does not realize that there are from thirty-five to forty other applications mailed to the State Engineer from different parts of the State on the same day. He does not realize that every application must be filed so that the records will show what disposition is made of it; that many have to be sent back for correction; that many conflict with existing rights; that from two to five of every hundred have to be rejected to protect communities; that the plans for canals and reservoirs all have to be carefully inspected; that in case of high dams the State Engineer is required to appoint an engineer to supervise construction; that under the Carey Act the State Engineer has to report on the water supply and approve the plans and specifications and see to it that such plans and specifications are carried into effect; that in the adjudication of streams the State Engineer is required to make surveys which will show the location of all ditches and the area of all irrigated lands; that he has to maintain gaging stations on streams and keep records of the results of this work in his office; that in the adjudication of streams the State Engineer has general charge; that he is president of the State Board of Control which passes on every question that is raised in the determination of rights to use water and every question that may arise after such rights have been defined; that in the distribution of water under rights that are defined, appeals may be taken from the decisions of water commissioners to the Division Superintendents and then to the State Engineer; that in the formation of irrigation districts the State Engineer has to report on the feasibility, practicability and estimated cost of the proposed improvements in the irrigation works; that the State Engineer is required to make comprehensive reports every two years of all that his department has accomplished. The law also provides that the State Engineer shall make surveys which will show the merits of various irrigation projects so that he will be able to give advice to prospective investors.

While the State Engineer is carrying on these various and numerous duties, he may be called to attend a meeting of the Capitol Building Commission, of which he is a member. This commission has charge of the maintenance of all State buildings at Cheyenne. He may be summoned to a session of the Imigration Commission which advertises the State and tries to induce settlers to take up their residence here. He is Secretary of the State Board of Examining Engineers, which passes upon the qualifications of all engineers and surveyors of the State who are engaged in an irrigation practice. This board meets as often as possible, and it conducts examinations every week. It keeps complete records of all the business it performs and issues licenses to those who qualify under the law. The State Engineer has a multitude of other duties which are not prescribed by law, but which come to him in connection with the duties that are defined in the statutes. The State Engineer, to be efficient, must know the State thoroughly. He must be familiar with every stream. He must understand conditions in every community. He must have a technical training and a long experience to enable him to pass intelligently on all of the problems that come to him. The law does not enable him to shift the responsibility to an assistant or a deputy.

The State Engineer wishes, in this message to the water users of Wyoming, to say a word in behalf of the office which means so much to them. It is not believed that the future of the State Engineer's office will be different from what it has always been. Practically every stream in the State has been adjudicated. This work has been performed without expense to the water user. In neighboring States an adjudication costs as much as the water right, including all construction expenses. After water rights are secured and determined Wyoming protects them without expense to the individual water users. When rights are once established, they are definite and new questions cannot arise to disturb them. In many states water rights are subject to attack practically all of the time. It has been the aim of the State Engineer's office at all times, to protect every use. This means that every user has been guaranteed as much water as has been available for the purpose defined by and based on beneficial use, but he has had nothing to sell and nothing in the way of water or water rights for speculation. The people of Wyoming owe it to themselves and to those who follow them to support every principle which will maintain this condition.

The State Engineer made a rule for the government of his own conduct when he first accepted the office in 1903. He did not see how he could serve the water users of Wyoming and at the same time be employed by those who were building large irrigation works. He therefore decided to keep out of private practice along irrigation lines in Wyoming. This decision has never been deviated from in any particular. When a State Engineer tries to do business in any other way he must fail to protect the interests of those he is presumed to serve.

The State Engineer does not make these statements in his own defense. He is satisfied with the record he has made. He is willing to leave this matter to the calm and sober judgment of the future. It is, after all, the judgment of time that satisfies the public mind as to the truth and as to the wisdom of all policies. The State Engineer has received the most severe criticism for those things in which he has taken the greatest pride. The reclamation of the ceded portion of the Shoshone Indian Reservation in Fremont County is the one problem that has brought forth his best efforts in an attempt to help those who have settled on these lands. This work is to be approved by every fair-minded man in the State within the next five years. The State Engineer makes this statement because he knows that he has been right throughout the entire four years that the work has been in progress. He is satisfied that he has done all that has been possible under the conditions that have prevailed. A full account of this work for the past two years is contained elsewhere in this report.

In addressing the water users of Wyoming it can be said that the State has never had an engineer who has been unmindful of the interests of the irrigator. An incompetent man cannot hold the office without bringing ruin on the water user generally. The office is in close touch with every water problem in the State and the State Engineer must be, as he has always been, a man who can take up any question presented to him without fear, favor or prejudice. The State Engineer is greatly interested in the future of his office because it is of so much importance to water users. He urges the water users of the State to believe with full confidence that the man who occupies the State Engineer's office is their representative in truth and in fact; that his efforts are all directed for the benefit of the majority of the community in which each may reside; that he is not engaged in any private practice that can in any way affect his public duties; that any man who is placed at the head of the administration of the water resources of Wyoming is worthy of confidence until he demonstrates his unfitness for the position; that the office of State Engineer should never be brought into a political campaign; that the intent of the law is to separate the office from political turmoil and political influence; that it is the most important office in the State in so far as development and material progress are concerned.

The present State Engineer has only one desire at this time. He hopes that the law will be perfected where this is possible. He hopes that principles that are essential to the protection of communities will always be upheld.

PERMITS ISSUED BETWEEN OCTOBER 1ST, 1908, AND SEPTEMBER 30TH, 1910.

During the past two years, 2,414 permits have been issued. These provide for the irrigation of 1,471,521.90 acres of land at an estimated cost of $18,436,804.50. To reach this land it will be necessary to construct 3,602.08 miles of canals. The average cost of reclaiming this land is therefore about $12.50 per acre, or an increase of about $2.50 per acre over the cost for the preceding two years. The greater portion of the proposed development embraces the construction of small ditches which reclaim but a few acres at a cost of from two to five dollars per acre, and from this it can be seen that the large projects must bear a relatively high rate. In the following tables is given a summary of information regarding original, enlargement and reservoir permits issued during the past two years:

ORIGINAL PERMITS

Number of ditch permits issued from September 30, 1908, to September 30, 1910	1,475.00
Number of acres to be reclaimed under said permits	1,170,774.35
Number of miles of canal construction required	2,299.30
Total estimated cost of construction $	6,872,496.36

ENLARGEMENT PERMITS.

Number of enlargement permits issued from September 30, 1908, to September 30, 1910	357.00
Number of acres to be reclaimed under said permits	300,747.55
Number of miles of canal construction required	1,302.78
Toital estimated cost of construction $	1,410,121.70

RESERVOIR PERMITS.

Number of reservoir permits issued from September 30, 1908, to September 30, 1910	582.00
Number of acre-feet of water to be stored therein, or capacity	1,991,709.09
Total estimated cost of construction	$ 10,154,186.44

TOTALS.

Total number of permits issued	2,414.00
Total number of acres to be reclaimed	1,471,521.90
Number of miles of canal to be constructed	3,602.08
Total cost of construction of irrigation works	$ 18,436,804.50

During the two years ending September 30th., 1908, 2,033.00 permits of all kinds were issued. The increase during the two succeeding years is due largely to the continued demand for stored water.

Irrigators appreciate the value of stored water to be used when the summer flow on streams is not sufficient to supply the demand. With the protection offered by ample storage works, the water user is insured against the scarcity of water during the drought of summer, and only in an exceptional year is he liable to suffer inconvenience for the want of enough water to meet his demands. The year 1910 offers an illustration of this kind, and even at this time additional storage works would have offered valuable protection.

Further details relative to the permits issued are given in tabular form in the printed copies of this report.

STREAM GAGINGS.

The following tables give the results of stream gagings as conducted by the State Engineer's Office, during 1909 and 1910:

Discharge in Acre Feet.—1909.

STREAM	TRIBUTARY OF	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Beaver Creek (Anderson's Ranch)	North Platte River	......	......	......	22 to 30 444	3,702	13,250	1,552	1,280	1 to 11 436	......	......	......
Big Creek (Forest Ranger's)	North Platte River	......	......	......	18 to 30 7,202	31,862	95,900	88,432	34,348	1 to 11 6,250	......	......	......
Brush Creek (Gross Ranch)	North Platte River	......	......	......	22 to 30 1,300	8,894	19,384	12,758	9,100	8,262	7,982	7,665	8,618
Cottonwood Creek (Herman's Ranch)	North Platte River	......	......	......	......	4 to 31 3,008	8,336	2,352	1,494	1,460	1,674	1,620	1,674
Cow Creek (Stanley Ranch)	North Platte River	......	......	......	19 to 30 1,048	6,200	20,138	5,288	2,112	2,316	1,922	1,860	2,046
Crow Creek (Silver Crown)	South Platte River	......	......	......	13 to 30 814	2,062	3,488	758	416	384	496	900	620
Encampment River (Riverside)	North Platte River	......	......	......	19 to 30 2,766	1 to 29 41,880	7 to 18 48,284	16 to 31 4,608	1,634	1 to 18 1,576	......	......	......
French Creek (Jenkin's Ranch)	North Platte River	......	......	......	21 to 30 578	7,930	60,552	42 124	11,578	8,052	......	......	......
Big Goose Creek (Sheridan)	Tongue River	......	......	......	......	22 to 31 11,518	79,064	9.450	1,260	3,794	3,500	3,268	1 to 4 504
Little Goose Creek (Sheridan)	Big Goose Creek	......	......	......	......	22 to 31 9,748	80,722	......	......	......	......	......	......
Horse Creek (Wycross Bridge)	North Platte River	......	......	......	......	......	......	......	......	......	......	4 to 30 1,332	12,456
Horseshoe Creek (Hauf's Ranch)	North Platte River	......	......	......	......	9,272	12,172	126	59.5	228	452	......	......
Jack Creek (Burdick's Ranch)	North Platte River	......	......	......	18 to 30 2,002	19,900	23,522	5,228	2,696	2,108	1,736	2,010	......
Little Laramie River (Wyoming Ranch)	Laramie River	......	......	......	16 to 30 4,244	9,042	51,390	24,648	11,366	9,618	7,688	......	......
Laramie River (Wyoming Ranch)	North Platte River	......	......	......	16 to 30 3,360	21,198	104,854	41,390	8,996	9,900	4,230	5,324	10,292
Pass Creek (Crone's Ranch)	North Platte River	......	......	......	25 to 30 1,340	13,626	26,244	3,502	2,160	2,730	2,814	3,450	......
Rock Creek (Phelan Bridge)	Medicine Bow River	......	......	......	......	......	88,930	28,592	5,276	1,792	910	1,726	......
Rock Creek (Arlington)	Medicine Bow River	......	......	......	......	......	123,940	66,846	12,100	10,404	51,390	6,490	......
Tongue River (Dayton)	......	......	......	......	......	18 to 31 9,518	43,424	13,638	5,308	1 to 25 3,000	......	......	......

STREAM GAGINGS—Continued.
Discharge in Acre Feet.—1910.

STREAM	TRIBUTARY OF	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Beaver Creek (Anderson's Ranch)	North Platte River	......	......	......	27 to 30 292	2,638	996	1,364	806	780	837	1 to 15 480	......
Brush Creek (Gross Ranch)	North Platte River	1,860	1,176	1 to 15 390	28 to 30 474	5,144	2,266	......	......	......	......	......	......
Cottonwood Creek (Wendover)	North Platte River	1,612	1,556	1,612	1,560	1,506	1,270	942	930	......	......	......	......
Cow Creek (Stanley Ranch)	North Platte River	2,604	2,464	2,418	3,780	8,394	4,254	2,138	2,294	......	......	......	......
Crow Creek (Silver Crown)	South Platte River	434	392	496	765	117	59	255	226	230	......	......	......
Encampment River (Riverside)	North Platte River	......	......	......	28 to 30 5,160	51,640	37,330	2,464	2,216	......	......	......	......
French Creek (Jenkin's Ranch)	North Platte River	......	......	......	27 to 30 2,540	25,606	25,760	9,802	6,384	5,427	5,967	1 to 15 2,287	......
Big Goose Creek (Sheridan)	Tongue River	......	......	......	......	7 to 31 28,790	18,202	3,686	1,660	2,674	1 to 29 3,458	......	......
Little Goose Creek (Sheridan)	Big Goose Creek	......	......	......	......	7 to 31 5,778	1 to 4 798	......	......	......	......	......	......
Horse Creek (Wycross Bridge)	North Platte River	10,190	5,668	6,592	20,794	1 to 7 2,434	......	......	......	......	......	......	......
Horseshoe Creek (Hauf's Ranch)	North Platte River	1,906	2,128	4,340	7,455	3,186	1,380	1,486	1,798	5,764	......	......	......
Jack Creek (Burdick's Ranch)	North Platte River	2,976	2,016	1,812	......	4,936	......	......	......	......	......	......	......
Little Laramie River (Wyoming Ranch)	Laramie River	......	......	......	......	6 to 31 3,278	2,430	1,446	1,292	1,112	......	......	......
Laramie River (Wyoming Ranch)	North Platte River	12,369	13,585	......	......	6 to 31 15,074	9,930	758	522	468	......	......	......
Pass Creek (Crone's Ranch)	North Platte River	3,410	4,046	1 to 15 3,960	25 to 30 828	4,440	......	......	......	......	......	......	......
Piney Creek (Kearney)	Clear Creek	......	......	......	......	11 to 31 14,448	9,608	4,200	1,684	......	......	......	......
Rock Creek (Phelan Bridge)	Medicine Bow River	......	......	......	......	......	13,460	292	......	......	......	......	......
Rock Creek (Arlington)	Medicine Bow River	......	......	......	6,032	51,762	51,464	11,088	4,368	5,110	1 to 27 4,678	......	......

WHAT IS A WATER RIGHT?

Some reference should be made at this time to Sections 724, 725 and 726, Wyoming Compiled Statutes, 1910. These sections were added to the irrigation laws of the State by the Legislature of 1909. The bill before the Legislature was known as "House Bill No. 66." All who have studied this legislation agree that it represents the most important action of the law-makers of the State since the original statutes were enacted in 1891. While the purpose of the act is fresh in the minds of those who were in the Legislature and among those who prepared the bill, some public record should be made of its purpose so that when its provisions are interpreted, there will be no mistaking its object.

The Act reads as follows:

CHAPTER 58.

WATER RIGHTS.

724. WATER RIGHT DEFINED. A water right is a right to use the water of the state, when such use has been acquired by the beneficial application of water under the laws of the state relating thereto, and in conformity with the rules and regulations dependent thereon. Beneficial use shall be the basis, the measure and limit of the right to use water at all times, not exceeding in any case, the statutory limit of volume. Water being always the property of the state, rights to its use shall attach to the land for irrigation, or to such other purpose or object for which acquired in accordance with the beneficial use made and for which the right receives public recognition, under the law and the administration provided thereby. Water rights cannot be detached from the lands, place or purpose for which they are acquired, without loss of priority. (L. 1909, ch. 68, Sec. 1.)

725 PREFERRED USES DEFINED. Water rights are hereby defined as follows according to use: Preferred uses shall include rights for domestic and transportation purposes; existing rights not preferred, may be condemned to supply water for such preferred uses in accordance with the provisions of the law relating to condemnation of property for public and semi-public purposes. Such domestic and transportation purposes shall include the following: First—Water for drinking purposes for both man and beast. Second—Water for municipal purposes. Third—Water for the use of steam engines and for general railway use. Fourth—Water for culinary, laundry, bathing, refrigerating, (including the manufacture of ice), and for steam and hot water heating plants. The use of water for irrigation shall be superior

and preferred to any use where turbine or impulse water wheels are installed for power purposes. (L. 1909, ch. 68, Sec. 2.)

726 CHANGE TO PREFERRED USE. Where it can be shown to the board of control under the provisions hereof, that a preferred use is to be made, the procedure for a change of such use shall embrace a public notice, an inspection and hearing if necessary by and before the proper division superintendent a report of such superintendent to the board of control, and an order by said board. If the change of use is approved, just compensation shall be paid and under the direction of the board, proper instruments shall be drawn and recorded. (L. 1909, ch. 68, Sec. 3.)

The act is plain in its terms. There may be some confusion, however, in the minds of those who have not followed the history of the development of irrigation law in this State. The constitution of the State which has the approval of Congress, says:

"Section 1, Article VIII. The water of all natural streams, springs, lakes or other collections of still water, within the boundaries of the State, are hereby declared to be the property of the State."

This provision of the constitution has been discussed from various standpoints. The State has never held that the water which it owns should be disposed of for profit. It is not deemed wise to administer this natural resource for revenue. It is presumed by the law-makers of Wyoming that the water the State possesses is for the use of the people. However, the State has a greater responsibility. Wyoming has discovered and placed on the statutes of the State the first definition of essential principles that should govern the use of water. So that the State, not only owns the water and permits of its use without charge to her citizens, but the State sees to it that all users are given equal protection. One man cannot be permitted to expand his use without interfering with the rights of a community. The State early discovered the danger of permitting water or water rights to be treated as personal property. If water rights are owned separate from the land irrigated, or such other use as may be made of the water, then the personal element enters and there is no such thing as public supervision and no such thing as the protection of the community against the greed of a few who may be powerful or influential.

We cannot review the decisions of the Colorado courts without feeling that they have failed to enunciate such doctrines as will protect the water user. For instance we find in the case

"Laramie County Res. Co. v. People ex rel. Luthe," 8th Colo. 614, the following definition of "appropriation." "Appropriation is the intent to take, accompanied by some open, physical demonstration of the intent, and for some valuable use." The court evidently understood that a diversion from the stream without actual beneficial use of water could not give the right to use water. It was manifestly plain to the court that there was something necessary in addition to a claim, which we assume to be the manifestation of the "intent." The court did not see that an investment in irrigation works can be protected without giving the investors ownership in water. It saw that a time must lapse between the filing of the claim, or the expressing of the "intent," and the use of the water. Hence the priority would date from the time the claim was filed. The company, unless disturbed by some agency, would secure title to water under that priority date providing it completed the irrigation works. There was no limit to the demands the company might make on the stream, except its financial ability in ditch and reservoir construction. There was nothing in the plans submitted to tell where the prospective beneficial use was to occur and absolutely nothing to protect those who were to be the actual water users. It might have occurred to the court that the State could by law provide that a company be given a certain time to show its good faith and upon the final showing being made, that it be given a certain time to sell interests in the irrigation works constructed. It might have occurred to the court that this would have enabled each water user to have obtained water rights dating back to the time the claim was filed in some office of public record; it would have enabled the company to have obtained a reasonable profit; it would have left the water rights in possession of the water users, each having an interest in proportion to the land reclaimed; it would have given the irrigation works to those who should for all time rightly be held responsible for maintenance. How the construction of irrigation works without any arrangements being made with prospective users or without any reference to the proposed beneficial use, can give the builders a right to the water is a problem that is too complicated for the average man to grasp. The court saw the danger ahead and it tried to do something to avoid it. The trouble was that the court gave the company everything in sight, under certain conditions. It is like giving a railroad an entire valley on condition that transportation facilities be provided. The railroad has a right to demand lands which it uses or is to use. The ditch company has this right. Water is more valuable than land. The railroad company is not entitled to all the land in sight, when it cannot use the land. The ditch company cannot use all the water it can divert. It has no right, therefore, to be placed in position where it can sell water which it has never acquired by beneficial use. A railroad company which secures an entire valley receives a rich reward. It can sell the lands to those who can cultivate them. This arrangement should be very pleasing to the railroad company. It was doubtless as pleasing to the ditch company to get title to water. It could sell this water to those who either had to buy it or face financial ruin. There is absolutely no reason why an irrigation company, or any individual, should have title to any property except the physical works it constructs or acquires. The court did not see this. It did not see how the water users could be protected under the priority obtained by the initial filing except by giving the company title to the water. This is so simple and it works out so easily where the States have an administrative system which manages streams for the benefit of the public, that any other plan would never be discussed if it were not that living examples of a dangerous type are so close at hand. The Colorado court decisions go a little further than to give everything to the company which builds the irrigation works. The rights of the consumer are discussed in a number of cases. This admits of some intimation of rights that others, aside from the irrigation company, might hold. If the court, in the first place, had held that the plans submitted by the company must be based on good engineering and that specifications for every structure must be filed; if it had then compelled the company to designate the lands that were to be reclaimed and dedicated the water to the benefit of those lands, a foundation would have been laid that would have supported every principle that might be necessary to protect those that were to follow the company. There is a library of speculation over this subject of appropriation in the Colorado decisions—yet no two complete discussions are in entire harmony. All indicate that there is something that should be reached and in every decision this something is just beyond the grasp of the court. To prevent too much injury being done the water users, the State Legislature has given the county commissioners authority to regulate the price paid for water. Because the court could not fathom the problem before it, the future of every project is left with administrative officers, who may or may not be able to determine what price is fair. The county commissioners may be connected with the company and they may be water users under the system in question. It would seem much better to make the water rights attach to the land and establish the price which the water user is to pay for an interest in the irrigation works in the beginning.

Let us study an individual case so that its history may be approximately complete. The Colorado courts dealt out water, rather than water rights, with a lavish hand. The courts did not know what volume of water was necessary to satisfy with justice the needs of each claimant, and they did not know what principles should govern in the adjudication of rights. No person can arrive at any other conclusion after reading closely the court decisions of the State. For instance, a water claimant is given a right to 35 cubic feet of water per second. The court does not say that this water belongs to the land or that the water right belongs to the land, but the person is given a kind of title to so much water. As the country grows the person so favored finds that the court has given him a large volume of water that he has never used. He therefore applies for a change in point of diversion. This may be opposed in the courts, but he generally wins out. He then proceeds to use this water on new lands, water that others have for years past been using. Those who are injured may be able to protect themselves if they have means. If not they must suffer the consequence. This person, who is so fortunate to get possession of water that he has never used, then proceeds to use it in another way that injures the community still further. Because the court has given him 35 cubic feet of water, he holds that he can store all of the excess that he does not need in the irrigation season for direct application from the stream. This is a happy thought. In the meantime possibly enough reservoirs have been built to store all of the excess flow of the stream. This makes no difference to this fortunate person. He stores, for his own use and for speculation, 35 cubic feet of water per second, except during the irrigation season, thus depriving other persons of his community of water that they have been using.

He has probably secured the 35 cubic feet of water per second when he only irrigated 160 acres of land. Two to two and one-half cubic feet per second during the irrigation season would be ample for this area. Even should he be able to apply three cubic feet per second, he would have left 32 cubic feet per second for speculation during the irrigation season. This would supply water for 2,000 acres of land and be worth $80,000.00 at least. By storing 35 cubic feet per second for nine months he would impound 18,900 acre-feet of water. If a fourth of this, or 4,725 acre-feet of water are lost by seepage and evaporation, he would have left 14,175 acre-feet of water for further speculation. This would irrigate fully 6,000 acres of land and be worth $240,000.00. The court, therefore, through ignorance, and without considering the rights of any person except the claimant, gives him $320,000.00 worth of water that he has never used and which has been used by others. This value of $320,000.00 cannot be given to one claimant without taking it from another.

What is the situation in Wyoming? An agricultural community begins to develop. Each applicant for water rights obtains permits which describe lands to be irrigated. The water rights are finally adjudicated and dedicated to the use made. The water used for irrigation belongs to the lands reclaimed. It remains attached to that land. When the land is sold it goes with the land. The law places a maximum limit on the use that can be made—one cubic foot of water for each seventy acres of land irrigated. The public must see to it that waste does not occur. This maximum limit cannot be exceeded at any time and the use is restricted to such volume less than the legal limit as can be beneficially applied to the lands to which the water right attaches. There is no way to expand the use. There is no way by which an individual or a company can speculate at the expense of a community. All rights are matters of record and there can be no serious cause for dispute.

Because certain lands have water rights direct from the stream during the irrigation season does not mean that these lands are entitled to water throughout the year. The first reservoir built in compliance with law secures the first right to store water to its capacity. This reservoir can be filled at any time that the stream furnishes a supply that is not used. The second reservoir then has its turn, and so on. Reservoirs store water—not water rights. Ditches carry water—not water rights. Water stored in reservoirs simply augment the supply during the season when needed and this water leads to the perfection of water rights which belong to the lands reclaimed and to the other uses made, the same as though the stream supplied an ample volume during such seasons.

Section 724 states that "beneficial use shall be the basis, the measure and the limit of the right to use water AT ALL TIMES, not exceeding, in any case, the statutory limit of volume." This means that when the community needs protection the public control must be such as to limit all users to the volume that can be beneficially applied. The certificates of appropriation, issued by the Board of Control, describe the lands to which the water right belongs and specifies what the maximum allotment of water is to be. It also says in conformity with the law that the use shall consist of the application of such part of the maximum allotment as can be beneficially applied.

Water is the property of the State and no charge is made for its use. When water is used for irrigation or for any beneficial purpose for a term of years, the user should feel thankful to the public that conditions are such that he has been able to do business without being subjected to a special tax on the water. Because the public has enabled this to be done, is there any reason why any person or company should be given the additional right to sell the water or water right he has been enjoying? The community cannot be injured as long as the use continues as it has always been, but that use cannot change without having some effect on the rights of others. Because the last sentence of Section 724 states that water rights cannot be detached from the lands, place or purpose for which acquired without loss of priority, it is held by some that the act is unconstitutional. Under the constitution cities and towns can condemn water rights for municipal purposes. When a city or town needs water it gets it and always gets it regardless of priority or the character of the right. Under this same act, municipal uses are made preferred uses. It may often serve the purpose of a town to condemn a water right that belongs to some land not enjoying an early priority. For instance, the early rights may all be near the source of a stream. This is an ideal condition. The town may be twenty miles below the lands having these rights. There may be irrigated lands near the town that can be condemned to furnish a water supply for the municipality. The water right obtained by the city or town under such circumstances cannot affect the early rights at the head of the stream, yet the town has secured an adequate supply. Should it be necessary to condemn one of the early rights at the head of the stream, this could be done, at any time later. The idea is this—nothing should be done by the State to give an added value to the early rights. There are so many conditions affecting the flow of a long stream, that cities and towns can often be supplied without interfering with the early irrigation development. A town might buy an adjoining farm with whatever water rights it may have. If the use of this water for municipal purposes will injure other water users, outside of the town, then they should be recompensed. After a city or town buys water rights, they become preferred uses, so that the priority of the right makes but little difference. The main object is to see to it, at the time the transfer is made to the town or city, that all who might be injured by this change are taken care of at once. Section 726 provides that these changes shall take place under the direction of the Board of Control. This means that an inspection will be made by the Superintendent, all users will be notified and the final record will embrace a settlement that will be in harmony with physical conditions and with justice to every allied interest in the stream. One thing should be remembered—preferred uses are to be protected in seasons of scant water supply. When a change is made of any inferior right to a preferred use, all who might be affected should be made acquainted with the purpose of those who represent the preferrred use and all precautions taken while the matter is before the board to secure whatever redress may be justifiable. It should also be remembered that preferred uses require small quantities of water compared with uses for irrigation. For instance, suppose a man owns 160 acres of land to which a water right attaches. Assume that he covers this to a depth of two feet during an irrigation season of 90 days. This is 320 acre-feet of water, or 104,544,000 gallons. This volume of water would furnish a water supply for a town of 3,000 people for a year, estimating that each person requires 100 gallons of water per day of twenty-four hours. Since the irrigator does not use water from the stream, except during the irrigation season of say 90 days, he has no right to the water during the remainder of the year. The town can file an application for the necessary supply outside of the irrigation season and the permit secured gives rights that cannot interfere with the rights of any other user, unless other rights have been secured which depend upon diversions outside of the summer season. The water right for 160 acres with the additional flow that could be secured under permit would supply a town of 12,000 people, if the water could all be used without loss. Certainly this should be a preferred use. The value of a city of 12,000 people to the State and to the public as locally represented, is far in excess of the value of any 160-acre farm, no matter how highly it may be cultivated.

Another point should not be overlooked in this connection. The State does not permit the use of the legal maximum flow—one cubic foot per second for each seventy acres of land reclaimed, except when this volume can be beneficially applied. The owner of irrigated land cannot charge except for the value of the land with a water right, compared with the land in its former arid condition. He cannot, in other words, transfer to a municipality or to any preferred user, the maximum limit of his water right. This must be fixed by the board of control at such hearing as it may conduct. The city may buy the land outright and the entire tract of say 160 acres may be irrigated. The land may be of such character that one acre-foot per annum will raise crops and this volume may have been the maximum that has ever been used. Manifestly this is all the municipality obtains.

It is believed by those who understand natural streams and the effect of diversions therefrom that it is much better to permit preferred users to purchase any rights that may be available rather than to place a premium on the first right, as has been the cutsom. For instance, if the first right were at the head of the stream and the city at or near its mouth, the irrigators above would lose all return seepage from the lands irrigated under the early right should this be transferrred to the municipality. The early right and all other rights might continue undisturbed should it be possible for the town to secure a comparatively inferior right nearer to its boundaries.

This legislation was not prepared on the spur of the moment. It represents the result of many years of study. It received the consideration of irrigation authorities throughout the west. It was given very careful study by the committees on lands and irrigation and by individual members of the Legislature of 1909. This act does not represent the personal views, only, of any individual or by any class of individuals. It represents in concrete form the wisdom of water users, students of irrigation and legislators. It passed the Legislature of 1909 with but seven dissenting votes altogether. No attempt was made to frame a measure of the kind until the views of the water users of Wyoming had been obtained. The responses received to letters mailed to thousands of irrigators throughout the State laid a foundation for the bill as it was submitted.

It has been said that other States and that courts do not recognize the principles embodied in this act. It must be admitted that Wyoming stood for something of the kind long before any such doctrines were heard of outside of the State. It must be admitted that because other courts failed to get down to the proper fundamental principles, our courts had no guide, except in so far as our law-makers prepared the way. However, these doctrines are spreading. We need not search in vain for decisions that have the fundamental principles clearly defined. On March first, 1910, a decision was handed down in Arizona which should be read in full by every student of irrigation. The title of the case is "Patrick T. Hurley, the United States, Intervenor, vs. 4800 other water users." It relates to the settlement of claims to use water from Salt River. The Reclamation Service is constructing one of its large projects in the valley of this stream, hence the United States intervened in the suit. The Supreme Judge of the Territory, acting as District Judge, heard the evidence and made the decision. It is remarkably complete. The definition of principles appearing on pages 8 and 9 of the printed copy of the decision is worthy of careful study and consideration. We quote this in full as follows:

"The doctrine of riparian rights does not obtain in Arizona. The right of the owner of land to divert from a natural nonnavigable stream the flow of the water therein and to apply the same to beneficial use upon such land, is and always has been recognized in this territory. Such diversion and use is termed an appropriation of water. Whatever may be the steps necessary to take to initiate such a right or to evidence the intent to initiate it, the appropriation itself only becomes complete and vested when the water is actually diverted from the stream and placed to a beneficial use upon the land. The right given by such an appropriation is strictly not a right to the water itself, but a right to the use of the water. Its application to a beneficial use upon the land is as necessary in order to complete the right as is the diversion thereof from the stream. An appropriation of water, therefore, for the purpose of the irrigation of a parcel of land may not be established and completed by means merely of a declaration of intention or by the posting of notices of appropriation, nor may it be made by a canal owner or by a canal company as such alone, independent of its ownership of the land; but as application to a beneficial use upon the land is necessary to complete the appropriation, it follows that such appropriator must be an owner of land or have a possessory right thereto. Furthermore, since the land to which the water is to be applied is a necessary integral part of the appropriation and a factor by which the amount of the water appropriated for use is measured, it follows that when the water is no longer applied to the land for which it was diverted, the right of appropriation of such water for such land ceases. The right of appropriation further depends upon a supply of water that is unappropriated. It follows, therefore, that the first in time of appropriation is the first in right to appropriate, since water previously appropriated by another is no longer available for a subsequent appropriator. The extent of the appropriation is limited by the beneficial use to which the water can be applied. The actual amount of water that may be appropriated for irrigation, therefore, is the amount that the land owner can and does actually use in the necessary and economical irrigation of his land for cultivation. This much and no more may he have; and this much he may only have when there is sufficient water available to supply first those prior in date of appropriation. The fundamental principle in the doctrine of appropriation of the normal flow of water in a stream for irrigation is its application by the land owner to the land for a beneficial use. The right to appropriate is a right that belongs to the land owner, but the water appropriated is appropriated for the land, and when so appropriated its use belongs to the land and not to the appropriator. The method of diversion from the river and the means of carriage of the water to the land is immaterial in the establishment or maintenance of the right; it may be done by the individual appropriator or by an association of individual appropriators, or by a canal company, or by any person or corporation; and the means of carriage or the point of diversion from the river may be changed from time to time to suit altered conditions without impairing the right of appropriation already made, provided prior rights of others are not interfered with. There being in this territory no private property in water, but water being a public property subject to the uses before defined, in so diverting and carrying the water such person, association or corporation acts merely as the agent of the appropriator and acquires no right of appropriation to the water itself, and no rights as against the appropriation made to the land, except a right to proper compensation for such diversion and carriage."

This decision marks distinct progress in court decisions relating to the use and diversion of water from natural streams. The principles upon which the decree is rendered afford protection to every claimant yet when they are applied in practice no man is given a weapon whereby he may destroy the prosperity of his neighbors. The personal element is eliminated. The welfare of the community, through the protection of each individual in accordance with the nature and extent of beneficial use of water, is taken as the criterion for the settlement of rights rather than the claims of individuals regardless of the character of the irrigation development they may have been responsible for. Because the federal government intervened in this case and because the judges were at the time federal officers, the decision has a value that is more far-reaching than would ordinarily be the case. The entire decision is recommended to the consideration of those who are interested in the settlement of water right claims and controversies.

It has been held by those who do not support the principle which unites water rights to the land reclaimed that the act of 1909 does not apply to water rights which were perfected prior to the passage of the law. This is the old argument that supports "vested rights" regardless of the welfare of the public. The public and communities generally will protect individuals in their rights if the public and the community is made supreme over the individual. If the individual is superior he will take advantage of his position to injure the community. If the State cannot make laws affecting the administration of its own property, then it certainly cannot enact statutes which have for their purpose the collection of taxes, for instance, which relates to the raising of revenue from property in private possession.

It cannot quarantine live stock belonging to private parties even for the protection of communities. It cannot pay bounties for killing predatory wild animals or defray the cost of protecting game animals. To say that the State cannot regulate the use of water by the enactment of new legislation, even after water rights have been acquired for various purposes, is on par with the claims of certain people who held that because they began the use of water prior to the admission of Wyoming to statehood, the State had no control. This contention led certain claimants in Johnson County to refuse to submit proof before the Board of Control and to attempt at a later date to secure certain rights by litigation. The case was finally decided by the Supreme Court of the State, 9th Wyoming Report, 110. This decision is plain. It indicates that the State can regulate the use of water regardless of when the claim was initiated or under what laws water was first used. It is not presumed that the Legislature will injure water users by the passage of any general laws. It is not believed that it will ever be necessary to injure any water user to protect a community. It is essential to have water rights defined in such a way that the individual will never presume to have such rights as will enable him to even threaten the prosperity of a community. If no water user has rights in excess of those that attach to his lands as limited by beneficial use, the community need never fear any trouble. The danger in irrigation matters never begins with the community, or the State. It has its birth in the greed of one or two who through the weakness of supervision in behalf of the public, are able to get what they are not entitled to, thereby enriching themselves at the expense of their neighbors.

The fundamental principles which provide equal protection to all and special privileges to none, are so simple and their number is so small, that it is surprising that they are not stated in every irrigation statute and in every text book dealing with the use of water. Yet we look almost in vain for any discussion of them. All that need be borne in mind is that the right to use water should be limited in accordance with the beneficial use made and the right should belong to that use rather than to the user. All other matters relating to the right are questions of fact that are easily obtained.

Report of the Secretary of the State Board of Control

CHEYENNE, WYOMING, November 21, 1910.

HON. CLARENCE T. JOHNSTON,
STATE ENGINEER,
Cheyenne, Wyoming.

DEAR SIR:

Until the records of the office of the Secretary of the Board of Control were systematized, the business sessions of the Board were concluded only after extensive search through the records and the miscellaneous papers which had been filed in connection with the adjudication proceedings. It required nearly three years' work on the part of the Secretary of the Board to classify every paper and properly file it and to place the records themselves on a modern business basis. This reform work had been practically completed when the present Secretary of the Board commenced her duties. It is believed that this office is in as good condition at the present time as modern invention and ingenuity will permit. There is a place for every paper and when work is completed, it is finished in a way that all familiar with the records, know without delay the history of every case in full.

The work in the field is always reflected in the office of the Secretary of the Board of Control. Where errors are made in submitting proof, troubles must arise in the future. During the past two years the work of the various Superintendents has been so carefully performed and checked, that but few errors have been carried into the records. The meetings of the Board of Control have undergone an evolution as the work in the field and in the office of the Secretary have improved. A few years ago many cases would come to the Board each session. A large majority of these cases were the result of errors made either in the field or in the office of the Secretary. In handling such a large business without system, it is not surprising that many mistakes were made. The recent sessions of the Board have been quiet business meetings. Each Superintendent has submitted proofs that he has taken under outstanding permits. Each may have a few problems that he wishes to submit to the Board for advice. The Board may have from eight to fifteen petitions to consider. These generally relate to change in the location of headgates, combination of existing ditches for the reclamation of the same lands under one ditch and similar matters.

The printed copies of the State Engineer's Report will contain a table showing in some detail, the certificates of appropriation issued during the past two years. In Water Division Number One, 302 of these certificates have been issued. These describe 15,827.70 acres of land. In Water Division Number Two, 249 certificates have been issued, which enumerate 8,966.50 acres of land. In Water Division Number Three, 221 certificates have been issued, which embrace 16,718.17 acres. In Water Division Number Four, 881 certificates have been issued, which describe 125,435.83 acres of land. In all, during the past two years, 1,653 certificates have been issued, which cover 166,948.20 acres of land. Prior to this two-year period, certificates have been issued for the irrigation of 1,119,659.12 acres of land. The total area under certificate at the present time is, therefore, 1,286,607.32 acres.

Respectfully submitted,

LOUISE JABELMANN,

Secretary, State Board of Control.

WATER DIVISION NO. ONE

TABLE SHOWING NUMBER OF CERTIFICATES OF APPROPRIATION ISSUED BY THE BOARD OF CONTROL FROM JULY 1ST, 1908, TO JULY 1ST, 1910.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Antelope Creek, tributary Beaver Creek	1	1.42	100
Antelope Creek, tributary North Platte River	1	.42	30
Badger Creek, tributary Grand Encampment River	1	.14	10
Bear Springs Gulch, tributary North Platte River	1	.61	43
Beaver Creek, tributary La Prele Creek	1	.14	10
Beaver Creek, tributary La Prele Creek	1	33.25 a. ft.	*
Branch of Beaver Creek, tributary La Prele Creek	1	9.00 a. ft.	*
Branch of Sheep Creek, tributary Willow Creek	1	.42	30
Beaver Creek, tributary North Platte River	6	5.91	416
Beaver Creek, tributary North Platte River	1	192 a. ft.	* ‡
Beaver Creek, tributary North Platte River	1	42.96 a. ft.	*
Big Creek, tributary North Platte River	2	2.64	185
Brush Creek, tributary North Platte River	1	1.14	80
Buckeye Creek, tributary Little Laramie River	1	2.24	157
Bucknum Creek, tributary Casper Creek	3	5.19	364
Calf Creek, tributary Cow Creek	3	5.92	415
Canon Creek, tributary North Platte River	4	3.35	236
Canon Creek, tributary Sybille Creek	1	.20	14
Cedar Creek, tributary North Platte River	6	4.96	348.5
Chugwater Creek, tributary Laramie River	2	.96	68.2
City Gulch, tributary Grand Encampment River	1	.57	40
Claude Irvine Creek, tributary North Laramie River	3	.53	38
Clear Creek, tributary Crow Creek	2	.87	61
Clear Creek, tributary Crow Creek	1	246.68 a. ft.	*
Clear Fork of Muddy Creek, tributary Muddy Creek	3	.86	60.5
Clear Fork of Muddy Creek, tributary Muddy Creek	1	44.00 a. ft.	*
Clear Fork of Muddy Creek, tributary Muddy Creek	1	181.63 a. ft.	*
Cole Creek, tributary North Platte River	1	.62	44
Cooper Creek, tributary Sweetwater River	1	.42	30
Corral Creek, tributary Bates Creek	2	1.59	112
Cottonwood Creek, tributary Little Box Elder Creek	1	.40	28
Cottonwood Creek, tributary Grand Encampment River	1	6.00 a. ft.	* ||
Cottonwood Creek, tributary Grand Encampment River	2	.78	55
Cottonwood Creek, tributary North Platte River	4	2.91	204.5
Cottonwood Gulch, tributary Grand Encampment River	1	1.28	90
Cottonwood Gulch, tributary Grand Encampment River	1	38.06 a. ft.	*
Cow Creek, tributary North Platte River	1	.85	60
Cow Hollow, tributary Clear Fork of Muddy Creek	1	1.01	71
Crook's Creek, tributary Sweetwater River	1	336.00 a. ft.	*
Crook's Creek, tributary Sweetwater River	1	1.42	100
Dale Creek, tributary Cache La Poudre	1	.57	40
Dana Springs, tributary Spring Creek	1	1.92	135
Davis Creek, tributary Deer Creek	2	.97	68
Deadwood Creek, tributary La Prele Creek	1	.15	10.5
Deer Creek, tributary Lake Creek	1	1.71	120
Deer Creek, tributary North Platte River	2	1.60	113
Dobbins Springs, tributary North Platte River	1	.85	60
Dobbins Springs, tributary North Platte River	1	13.50 a. ft.	*
Draw and Springs, tributary Goose Creek	1	.28	20
Dry Creek, tributary North Platte River	1	13.66 a. ft.	†
Dry Creek, tributary Sweetwater River	1	.11	8
Dry Gulch, tributary Canon Creek	1	1.17	82
Dry Gulch, tributary Canon Creek	1	282.88 a. ft.	*
Dry Gulch, tributary Casper Creek	1	270.00 a. ft.	* †
Dry Laramie River, tributary Laramie River	1	.92	65
Dry Muddy Creek, tributary North Platte River	1	1.21	85
Dry Muddy Creek, tributary North Platte River	1	330.00 a. ft.	*

*Irrigation.. †Stock. ‡Domestic. * ||Irrigation and brick yard.

WATER DIVISION NO ONE.—Continued.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Dry Muddy Creek, tributary North Platte River	1	175.00 a. ft.	*
Duck Creek, tributary Lone Tree Creek	1	.67	47
Duck and Lonetree Creeks, tributary South Platte River	1	336.00 a. ft.	*
Dufunny Creek, tributary Antelope Creek	1	80.00 a. ft.	*
Dufunny Creek, tributary Antelope Creek	1	1.02	72
East Channel Cow Creek, tributary North Platte River	2	2.71	190
East Cottonwood Creek,tributary Sweetwater River	1	.14	10
Five Springs, tributary Sportsman Lake	1	.60	42
Foote Springs	1	25 a. ft.	‡ †
Goose Creek, tributary Clear Fork of Muddy Creek	1	77.5 a. ft.	*
Goose Creek, tributary Clear Fork of Muddy Creek	1	210.0 a. ft.	*
Goose Creek, tributary Clear Fork of Muddy Creek	1	59.7 a. ft.	*
Goose Creek, tributary Clear Fork of Muddy Creek	2	.14	10
Grand Encampment River, tributary North Platte River	1	.78	55
Grand Encampment River, tributary North Platte River	4	3.56	251
Gray's Run, tributary Sybille Creek	1	1.14	80
Hanna Sheep Company Spring No. 1, tributary Medicine Bow River	1	....	‡ †
Hanna Sheep Company Spring No. 2, tributary Medicine Bow River	1	....	‡ †
Hanna Sheep Company Spring No. 3, tributary Medicine Bow River	1	....	‡ †
Hat Creek, tributary Pass Creek	1	.75	53
Hill Creek, tributary Muddy Creek	3	1.43	101
Hill Creek, tributary Muddy Creek	1	107.25 a. ft.	*
Horse Shoe Creek, tributary North Platte River	5	2.36	167.5
Horse Creek, tributary North Platte River	1	2040.85 a. ft.	*
Horse Creek, Spring Creek and Trail Creek, tributary North Platte River	1	....	§
Indian Creek, tributary La Bonte Creek	6	3.41	239
Jackson Springs, tributary Hat Creek	1	....	‡ †
Jackson Springs, tributary Hat Creek	1	.28	20
John Creek, tributary Lake Hattie	2	3.65	256
Johnson Creek, tributary Laramie River	2	3.49	245
Johnson Creek Spring, tributary Dale Creek	1	....	†
La Bonte Creek, tributary North Platte River	3	.97	68.7
La Prele Creek, tributary North Platte River	2	.45	31.5
Little Canon Creek, tributary Canon Creek	1	112 a. ft.	*
Little Canon Creek, tributary Canon Creek	1	11.875 a. ft.	*
Little Canon Creek, tributary Canon Creek	5	8.87	622
Little Horse Shoe Creek, tributary North Platte River	1	.11	8
Little Laramie River, tributary Laramie River	1	2,44	171
Little Medicine Bow Creek, tributary Medicine Bow River.	1	.92	65
Lodge Pole Creek, tributary South Platte River	1	2120.00 a. ft.	*
Lodge Pole Creek, tributary South Platte River	1	127.16 a. ft.	*
Lodge Pole Creek, tributary South Platte River	4	9.64	676
Lonetree Creek, tributary Fish Creek	1	.11	8
Lonetree Creek, tributary South Platte River	1	3.00 a. ft.	*
Lonetree Creek, tributary South Platte River	1	440.00 a. ft.	*
Lonetree Creek, tributary South Platte River	1	160.00 a. ft.	*
Lonetree Creek, tributary South Platte River	1	607.62 a. ft.	*
Lonetree Creek, tributary Stinking Creek	1	.54	38
Lower Seven Lake	1	35.00 a. ft.	‡ †
Lyons Creek, tributary Little La Prele Creek	1	.21	15
Maddox Gulch, tributary North Platte River	1	.17	12
Middle Cedar Creek and South Branch of same	1	2.92	205
Middle Cottonwood Creek, tributary Sweetwater River	1	.18	13
Middle Fork of Little Laramie River, tributary Laramie River	2	6.85	480
Miller Creek, tributary Big Sage Creek	1	1.71	120
Miller Creek, tributary Big Sage Creek	1	363.00 a. ft.	*
Miner Creek, tributary Grand Encampment River	1	.50	35
Muddy Creek, tributary Sweetwater River	1	92.40 a. ft.	*

*Irrigation. †Stock. ‡Domestic. §Supplemental irrigation.

WATER DIVISION NO ONE.—Continued.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
North Box Elder Creek, tributary Poudre River	3	1.24	88
North Fork Cedar Creek, tributary Cedar Creek	2	6.06	425
North Crow Creek, tributary South Platte River	1	.08	6
North Dogie Creek, tributary La Prele Creek	1	.21	15
North Fish Creek, tributary Fish Creek	2	.91	64
North Fork Brush Creek, tributary North Platte River	1	2.85	200
North Fork Grand Encampment River	2	3.35	235
North Laramie River, tributary Laramie River	6	7.26	509.6
North Platte River	13	10.09	1,213.5
Oregon Slough Springs	1	2.80 a. ft.	†
Owl Creek, tributary La Bonte Creek	1	1.75	123
Pass Creek, tributary North Platte River	3	3.48	245
Percy Creek, tributary Medicine Bow River	1	.94	65.5
Rattlesnake Creek, tributary La Prele Creek	2	.46	33
Rawhide Creek, tributary North Platte River	3	.61	43.3
Red Canon Creek, tributary La Prele Creek	1	.05	3.5
Red Creek, tributary Bates Creek	1	.55	39
Reservoir Creek, tributary Beaver Creek	1	.44	31
Sage Hen Creek, tributary Sweetwater River	1	.17	11.7
Sand Creek, tributary Laramie River	1	112.32 a. ft.	*
Sand Creek, tributary Laramie River	1	124.10 a. ft.	*
Sand Creek, tributary Muddy Creek	1	.60	42
Sand Springs, tributary Muddy Creek	1	16.10 a. ft.	*
Sand Springs, tributary Muddy Creek	1	.54	38
Saw Mill Canon, tributary Slate Creek	1	.32	23
Seepage and Springs, tributary Cow Creek	1	.45	32
Separation Creek, tributary Muddy Creek	1	4.00 a. ft.	‡ †
Sheep Creek, tributary Crooks Creek	5	2.28	161
Sheep Creek, tributary Little Medicine Bow River	1	.81	57
Sheep Creek, tributary North Platte River	1	.14	10
Slate Creek, tributary Laramie River	1	1.04	73
Snake River, tributary Green River	1	1.50	105
South Fork of Fish Creek, tributary North Laramie River	2	.87	61.1
South Fork of Canon Creek, tributary North Platte River	1	.42	30
South Fork Lake Creek, tributary Lake Creek	2	3.79	266
South Spring Creek, tributary Spring Creek, tributary North Platte River	3	3.27	230
South Sybille Creek, tributary Laramie River	1	.28	20
South Willow Creek, tributary Willow Creek, tributary Box Elder Creek	1	.04	3
Spring Creek, tributary Box Elder Creek	1	.67	46.5
Spring Creek, tributary Chugwater Creek	2	1.03	72.1
Spring Creek, tributary La Prele Creek	1	.28	20
Spring Creek, tributary Sand Creek	1	6.07	425
Spring Creek, tributary Sand Creek	1	200.00 a. ft.	*
Spring Creek, tributary Sweetwater River	2	.45	32
Springs, tributary Box Elder Creek	3	.69	49.5
Spring, tributary Goose Creek	1	.08	2.5
Springs, tributary Grand Encampment River	1	....	§
Spring, tributary Hat Six Creek	2	.78	55.4
Springs and Small Creek, tributary Laramie River	2	1.27	90
Spring, tributary Laramie River	1	.68	48
Spring, tributary Spring Creek	2	.28	20
Springs, tributary Sybille Creek	1	.97	68
Station Creek, tributary La Prele Creek	1	.38	27
Stinking Creek, tributary Bates Creek	2	2.05	144
Sweed Creek, tributary Box Elder Creek	1	6.00 a. ft.	*
Sybille Creek, tributary Laramie River	2	1.04	72.6
Teddy Creek, tributary Cow Creek	1	1.91	184
Timber Canon Creek, tributary South Sybille Creek	2	.32	23
Tower Canon Creek, tributary Hallock Creek, tributary Sybille Creek	2	.62	44

*Irrigation. †Stock. ‡Domestic. §Supplemental irrigation.

WATER DIVISION NO. ONE—Continued.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Tributary of Cedar Creek	4	2.97	209
Tributary of Grand Encampment River	2	2.85	200
Upper Seven Lake	1	85.00 a. ft.	‡ †
Wagonhound Creek, tributary North Platte River	3	1.15	81
West Cherokee Creek, tributary Grand Encampment River	1	....	§
Western Channel of Cow Creek	1	.42	30
West Cottonwood Creek, tributary Cottonwood Creek	2	1.16	82
West Fork of Cherokee Creek, tributary Grand Encampment River	1	2.28	160
West Fork of Cherokee Creek and Cotton Creek, tributary Grand Encampment River	1	70.00 a. ft.	*
Willow Creek, tributary Box Elder Creek	1	.92	65
Willow Creek, tributary Five Mile Creek, tributary Laramie River	1	4.28	293
Willow Creek, tributary Five Mile Creek, tributary Laramie River	1	284.27 a. ft.	*
Willow Creek, tributary Spring Creek	1	.04	8
Windy Ridge Creek, tributary Box Elder Creek	1	70.00 a. ft.	*
Windy Ridge Creek, tributary Box Elder Creek	1	1.64	115
TOTALS	302		15,827.70

*Irrigation. †Stock. ‡Domestic. §Supplemental irrigation.

WATER DIVISION NO. TWO

TABLE SHOWING NUMBER OF CERTIFICATES OF APPROPROATION ISSUED BY THE BOARD OF CONTROL FROM JULY 1ST, 1908, TO JULY 1ST, 1910.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Alkali Draw, tributary Buffalo Creek	2	.85	60
Alkali Draw, tributary Buffalo Creek	1	10.00 a. ft.	*
Alum Creek, tributary Beaver Creek	1	5.04	353
Barker Draw, tributary Tongue River	1	60.00 a. ft.	*
Barker Draw, tributary Tongue River	2	1.41	99
Beaver Creek, tributary Big Goose Creek	1	.85	60
Beaver Creek, tributary Middle Fork Powder River	1	.14	10
Beaver Creek, tributary Prairie Dog Creek	1	322.50 a. ft.	x
Big Goose Creek	1	10.50 a. ft.	* ||
Big Goose Creek	1	13.97	978
Billie Creek, tributary Belle Fourche River	1	1.50 a. ft.	* ‡
Billie Creek, tributary Belle Fourche River	1	.80 a. ft.	* ‡
Billie Creek, tributary Belle Fourche River	1	.18	13
Bone Pile Creek, tributary Belle Fourche River	1	54.90 a. ft.	* ‡
Bone Pile Creek, tributary Belle Fourche River	1	1.17	82
Bridge Creek, tributary Cheyenne River	1	.24	17
Brock Spring, tributary North Fork Powder River	1	.09	6.3
Brock Spring No. 2, tributary North Fork Powder River	1	.07	5.2
Buffalo Creek, tributary Belle Fourche River	1	165.00 a. ft.	*
Buffalo Creek, tributary Belle Fourche River	5	4.84	339.35
Burnt Station Draw, tributary Powder River	1	2.00 a. ft.	†
Butte Creek, tributary White Tail Creek	1	.35	25
Cedar Knoll Gulch, tributary Belle Fourche River	1	.24	17
Church Creek, tributary Cheyenne River	1	6.00 a. ft.	*
Church Creek, tributary Cheyenne River	4	.14	11
Clear Creek, tributary Powder River	2	1.98	139.1
Coal Bank Gulch, tributary Little Goose Creek	1	10.50 a. ft.	* †
Coal Bank Gulch, tributary Little Goose Creek	1	4.50 a. ft.	* †
Coal Bank Gulch, tributary Little Goose Creek	1	.41	29
Coal Creek, tributary Powder River	1	.78	55
Coal Creek, tributary White Tail Creek	1	.24	17
Cold Springs Creek, tributary Sand Creek	1	.25	18
Collins Draw, tributary Powder River	1	1.71	120
Cooper Draw, tributary Tongue River	1	19.84 a. ft.	*
Cooper Draw, tributary Tongue River	1	.95	67
Corrall Creek, tributary Elk Creek	2	.56	40
Corrall Gulch, tributary Little Powder River	1	.92	65
Coyota Draw, tributary Powder River	1	.57	40
Cross Creek, tributary Little Goose Creek	1	108.00 a. ft.	*
Dead Horse Creek, tributary Powder River	1	.48	33.4
Deavours Draw, tributary Powder River	1	12.00 a. ft.	*
Deavours Draw, tributary Powder River	1	.71	50
Donkey Creek, tributary Belle Fourche River	1	....	§
Donkey Creek, tributary Belle Fourche River	6	2.65	187
Donkey Creek, tributary Belle Fourche River	1	10.50 a. ft.	* ‡
Donkey Creek, tributary Belle Fourche River	1	52.00 a. ft.	* ‡ †
Draw, tributary Buffalo Creek	1	.17	12
Draw, tributary Crazy Woman Creek	1	.20	13.6
Draw, tributary Donkey Creek	1	20.00 a. ft.	*
Draw, tributary Donkey Creek	1	.47	33
Draw-Bridge Creek, tributary Cheyenne River	1	.25	18
Draw, tributary Tongue River	1	.85	60
Dry Creek, tributary Belle Fourche River	1	24.00 a. ft.	*
Dry Creek, tributary Belle Fourche River	1	.68	48
Dry Creek, tributary Little Missouri River	1	135.00 a. ft.	* ‡
Dry Creek, tributary Little Missouri River	2	3.75	262.5
Dry Draw, tributary Oil Creek	1	140.00 a. ft.	*

*Irrigation. †Stock. ‡Domestic. §Supplemental irrigation. ||Ice cutting. xDomestic and steam for R. R.

WATER DIVISION NO. TWO—Continued.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Dry Draw, tributary Oil Creek	1	1.50	105
Dry Draw, tributary Powder River	1	6.50 a. ft.	†
Dry Draw, tributary Wind Creek, tributary Belle Fourche River	1	9.62 a. ft.	*
Dry Draw, tributary Wind Creek, tributary Belle Fourche River	1	22.00 a. ft.	*
Dry Draw, tributary Wind Creek, tributary Belle Fourche River	1	15.00 a. ft.	*
Dry Draw, tributary Wind Creek, tributary Belle Fourche River	3	4.10	287
Dry Gulch, tributary Donkey Creek	1	8.75 a. ft.	†
Dry Gulch, tributary Crow Creek, tributary Belle Fourche River	1	13.50 a. ft.	*
Dry Gulch, tributary Crow Creek, tributary Belle Fourche River	1	3.40	238
Dry Gulch, tributary Little Powder River	1	6.00 a. ft.	* ‡
Dry Gulch, tributary Little Powder River	1	1.40	98
Dry Hollow, tributary Little Missouri River	1	15.00 a. ft.	*
Dry Hollow, tributary Little Missouri River	1	.72	51
Duck Creek, tributary Belle Fourche River	1	24.40 a. ft.	‡ †
Duncan Draw, tributary Prairie Dog Creek	1	1.15	81
East Fork Buffalo Creek, tributary Buffalo Creek	1	18.00 a. ft.	*
East Fork Buffalo Creek, tributary Buffalo Creek	1	1.42	100
East Fork Dow Prong Dutch Creek, tributary Prairie Dog Creek	1	.71	50
East Fork Hay Creek, tributary Belle Fourche River	1	.18	13
East Fork Rat Creek, tributary Rat Creek	2	.40	29
East Pass Creek and Yonkee Draw, tributary Little Big Horn River	1	25.00 a. ft.	*
East Pass Creek and Yonkee Draw, tributary Little Big Horn River	1	.82	58
Elkhorn Creek, tributary Little Big Horn River	1	1.32	93
Five Mile Creek, tributary Tongue River	2	.71	50
Fortification Creek, tributary Powder River	1	5.40 a. ft.	†
Four Mile Creek, tributary Belle Fourche River	1	15.00 a. ft.	* †
Gyp Creek, tributary North Fork Powder River	1	.21	15.3
Gyp Spring, tributary North Fork Powder River	1	.02	1.5
Hay Creek, tributary Belle Fourche River	1	40.00 a. ft.	*
Hay Creek, tributary Belle Fourche River	1	96.00 a. ft.	* ‡
Hay Creek, tributary Belle Fourche River	1	96.00 a. ft. per annum	
Hay Creek, tributary Belle Fourche River	3	1.37	96.5
Herbs Creek, tributary Pass Creek	4	.96	68
Horse Thief Springs, tributary Stockade Beaver Creek	1	42.00 a. ft.	*
Horse Thief Springs, tributary Stockade Beaver Creek	1	.85	60
Inyan Kara Creek, tributary Belle Fourche River	1	1.04	72.5
Inyan Kara Creek, tributary Belle Fourche River	1	19.20 a. ft.	*
Jack Bill Draw, tributary Tongue River	1	1.07	75
Jackson Creek, tributary Little Goose Creek	4	.026	2.25
Jefferies Draw, tributary Little Goose Creek	1	12.50 a. ft.	*
Jefferies Draw, tributary Little Goose Creek	1	.35	25
Johnson Creek, tributary Rock Creek, tributary Clear Creek	1	.47	33
L. X. Bar Creek, tributary Powder River	2	1.17	83
Last Resort Creek, tributary Powder River	1	.21	15
Little North Fork Crazy Woman Creek	2	.24	16.5
Little Soda or Box Elder Creek, tributary Stockade Beaver Creek	1	99.00 a. ft.	*
Little Soda or Box Elder Creek, tributary Stockade Beaver Creek	1	1.60	111.5
Little Young's Creek, tributary Tongue River	1	12.50 a. ft.	*
Little Young's Creek, tributary Tongue River	3	.94	67
Little Wild Horse Creek, tributary Powder River	1	5.00 a. ft.	‡ †
Lone Tree Creek, tributary Beaver Creek	1	49.00 a. ft.	*

*Irrigation. †Stock. ‡Domestic.

WATER DIVISION NO. TWO

TABLE SHOWING NUMBER OF CERTIFICATES OF APPROPROATION ISSUED BY THE BOARD OF CONTROL FROM JULY 1ST, 1908, TO JULY 1ST, 1910.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Alkali Draw, tributary Buffalo Creek	2	.85	60
Alkali Draw, tributary Buffalo Creek	1	10.00 a. ft.	*
Alum Creek, tributary Beaver Creek	1	5.04	353
Barker Draw, tributary Tongue River	1	60.00 a. ft.	*
Barker Draw, tributary Tongue River	2	1.41	99
Beaver Creek, tributary Big Goose Creek	1	.85	60
Beaver Creek, tributary Middle Fork Powder River	1	.14	10
Beaver Creek, tributary Prairie Dog Creek	1	322.50 a. ft.	x
Big Goose Creek	1	10.50 a. ft.	* ||
Big Goose Creek	1	13.97	978
Billie Creek, tributary Belle Fourche River	1	1.50 a. ft.	* ‡
Billie Creek, tributary Belle Fourche River	1	.80 a. ft.	* ‡
Billie Creek, tributary Belle Fourche River	1	.18	13
Bone Pile Creek, tributary Belle Fourche River	1	54.90 a. ft.	* ‡
Bone Pile Creek, tributary Belle Fourche River	1	1.17	82
Bridge Creek, tributary Cheyenne River	1	.24	17
Brock Spring, tributary North Fork Powder River	1	.09	6.3
Brock Spring No. 2, tributary North Fork Powder River	1	.07	5.2
Buffalo Creek, tributary Belle Fourche River	1	165.00 a. ft.	*
Buffalo Creek, tributary Belle Fourche River	5	4.84	339.35
Burnt Station Draw, tributary Powder River	1	2.00 a. ft.	†
Butte Creek, tributary White Tail Creek	1	.35	25
Cedar Knoll Gulch, tributary Belle Fourche River	1	.24	17
Church Creek, tributary Cheyenne River	1	6.00 a. ft.	*
Church Creek, tributary Cheyenne River	4	.14	11
Clear Creek, tributary Powder River	2	1.98	139.1
Coal Bank Gulch, tributary Little Goose Creek	1	10.50 a. ft.	* †
Coal Bank Gulch, tributary Little Goose Creek	1	4.50 a. ft.	* †
Coal Bank Gulch, tributary Little Goose Creek	1	.41	29
Coal Creek, tributary Powder River	1	.78	55
Coal Creek, tributary White Tail Creek	1	.24	17
Cold Springs Creek, tributary Sand Creek	1	.25	18
Collins Draw, tributary Powder River	1	1.71	120
Cooper Draw, tributary Tongue River	1	19.84 a. ft.	*
Cooper Draw, tributary Tongue River	1	.95	67
Corrall Creek, tributary Elk Creek	2	.56	40
Corrall Gulch, tributary Little Powder River	1	.92	65
Coyota Draw, tributary Powder River	1	.57	40
Cross Creek, tributary Little Goose Creek	1	108.00 a. ft.	*
Dead Horse Creek, tributary Powder River	1	.48	33.4
Deavours Draw, tributary Powder River	1	12.00 a. ft.	*
Deavours Draw, tributary Powder River	1	.71	50
Donkey Creek, tributary Belle Fourche River	1	....	§
Donkey Creek, tributary Belle Fourche River	6	2.65	187
Donkey Creek, tributary Belle Fourche River	1	10.50 a. ft.	* ‡
Donkey Creek, tributary Belle Fourche River	1	52.00 a. ft.	* ‡ †
Draw, tributary Buffalo Creek	1	.17	12
Draw, tributary Crazy Woman Creek	1	.20	13.6
Draw, tributary Donkey Creek	1	20.00 a. ft.	*
Draw, tributary Donkey Creek	1	.47	33
Draw-Bridge Creek, tributary Cheyenne River	1	.25	18
Draw, tributary Tongue River	1	.85	60
Dry Creek, tributary Belle Fourche River	1	24.00 a. ft.	*
Dry Creek, tributary Belle Fourche River	1	.68	48
Dry Creek, tributary Little Missouri River	1	135.00 a. ft.	* ‡
Dry Creek, tributary Little Missouri River	2	3.75	262.5
Dry Draw, tributary Oil Creek	1	140.00 a. ft.	*

*Irrigation. †Stock. ‡Domestic. §Supplemental irrigation. ||Ice cutting.
xDomestic and steam for R. R.

WATER DIVISION NO. TWO—Continued.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Dry Draw, tributary Oil Creek	1	1.50	105
Dry Draw, tributary Powder River	1	6.50 a. ft.	†
Dry Draw, tributary Wind Creek, tributary Belle Fourche River	1	9.62 a. ft.	*
Dry Draw, tributary Wind Creek, tributary Belle Fourche River	1	22.00 a. ft.	*
Dry Draw, tributary Wind Creek, tributary Belle Fourche River	1	15.00 a. ft.	*
Dry Draw, tributary Wind Creek, tributary Belle Fourche River	3	4.10	287
Dry Gulch, tributary Donkey Creek	1	8.75 a. ft.	†
Dry Gulch, tributary Crow Creek, tributary Belle Fourche River	1	13.50 a. ft.	*
Dry Gulch, tributary Crow Creek, tributary Belle Fourche River	1	3.40	238
Dry Gulch, tributary Little Powder River	1	6.00 a. ft.	* ‡
Dry Gulch, tributary Little Powder River	1	1.40	98
Dry Hollow, tributary Little Missouri River	1	15.00 a. ft.	*
Dry Hollow, tributary Little Missouri River	1	.72	51
Duck Creek, tributary Belle Fourche River	1	24.40 a. ft.	‡ †
Duncan Draw, tributary Prairie Dog Creek	1	1.15	81
East Fork Buffalo Creek, tributary Buffalo Creek	1	18.00 a. ft.	*
East Fork Buffalo Creek, tributary Buffalo Creek	1	1.42	100
East Fork Dow Prong Dutch Creek, tributary Prairie Dog Creek	1	.71	50
East Fork Hay Creek, tributary Belle Fourche River	1	.18	13
East Fork Rat Creek, tributary Rat Creek	2	.40	29
East Pass Creek and Yonkee Draw, tributary Little Big Horn River	1	25.00 a. ft.	*
East Pass Creek and Yonkee Draw, tributary Little Big Horn River	1	.82	58
Elkhorn Creek, tributary Little Big Horn River	1	1.32	93
Five Mile Creek, tributary Tongue River	2	.71	50
Fortification Creek, tributary Powder River	1	5.40 a. ft.	†
Four Mile Creek, tributary Belle Fourche River	1	15.00 a. ft.	* †
Gyp Creek, tributary North Fork Powder River	1	.21	15.3
Gyp Spring, tributary North Fork Powder River	1	.02	1.5
Hay Creek, tributary Belle Fourche River	1	40.00 a. ft.	*
Hay Creek, tributary Belle Fourche River	1	96.00 a. ft.	* ‡
Hay Creek, tributary Belle Fourche River	1	96.00 a. ft. per annum	
Hay Creek, tributary Belle Fourche River	3	1.37	96.5
Herbs Creek, tributary Pass Creek	4	.96	68
Horse Thief Springs, tributary Stockade Beaver Creek	1	42.00 a. ft.	*
Horse Thief Springs, tributary Stockade Beaver Creek	1	.85	60
Inyan Kara Creek, tributary Belle Fourche River	1	1.04	72.5
Inyan Kara Creek, tributary Belle Fourche River	1	19.20 a. ft.	*
Jack Bill Draw, tributary Tongue River	1	1.07	75
Jackson Creek, tributary Little Goose Creek	4	.026	2.25
Jefferies Draw, tributary Little Goose Creek	1	12.50 a. ft.	*
Jefferies Draw, tributary Little Goose Creek	1	.35	25
Johnson Creek, tributary Rock Creek, tributary Clear Creek	1	.47	33
L. X. Bar Creek, tributary Powder River	2	1.17	83
Last Resort Creek, tributary Powder River	1	.21	15
Little North Fork Crazy Woman Creek	2	.24	16.5
Little Soda or Box Elder Creek, tributary Stockade Beaver Creek	1	99.00 a. ft.	*
Little Soda or Box Elder Creek, tributary Stockade Beaver Creek	1	1.60	111.5
Little Young's Creek, tributary Tongue River	1	12.50 a. ft.	*
Little Young's Creek, tributary Tongue River	3	.94	67
Little Wild Horse Creek, tributary Powder River	1	5.00 a. ft.	‡ †
Lone Tree Creek, tributary Beaver Creek	1	49.00 a. ft.	*

*Irrigation. †Stock. ‡Domestic.

WATER DIVISION NO. TWO—Continued.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Lone Tree Creek, tributary Beaver Creek	1	.70	49
Lone Tree Gulch, tributary Powder River	1	.54	38
Long and Short Prong Prairie Creek, tributary Little Missouri River	1	1.57	110
Lucky Gulch, tributary Little Powder River	1	.14	10
McCormick Creek, tributary Little Goose Creek	1	.65	46
Meadow Brook Creek, tributary White Tail Creek	1	.32	23
Middle Fork Buffalo Creek, tributary Buffalo Creek	1	30.00 a. ft.	*
Middle Fork Buffalo Creek, tributary Buffalo Creek	1	.42	30
Middle Fork Powder River, tributary Powder River	2	1.98	139
Muddy Creek, tributary Crazy Woman Creek	1	1.75	123
Muir Draw, tributary Little Big Horn River	1	5.00 a. ft.	‡ †
North Buck Creek, tributary Belle Fourche River	1	19.80 a. ft.	*
North Buck Creek, tributary Belle Fourche River	1	supply	
North and South Buck Creek, tributary Belle Fourche River	1	25.60 a. ft.	* ‡
North and South Buck Creek, tributary Belle Fourche River	1	.85	60
North Fork Lone Tree Gulch, tributary Powder River	1	54.00 a. ft.	* ‡
North Fork Lone Tree Gulch, tributary Powder River	1	.70	49
North Fork Crazy Woman Creek	1	.68	47.8
North Fork Wild Horse Creek, tributary Powder River	1	14.00 a. ft.	†
North Hay Creek, tributary Little Powder River	1	.17	12
Olmstead Creek, tributary Little Powder River	2	.85	60
Parker Springs, tributary Stockade Beaver Creek	1	12.50 a. ft.	‡ † F
Pass Creek, tributary North Fork Powder River	1	.80 a. ft.	*
Pass Creek, tributary North Fork Powder River	1	.62	44
Pine Creek, tributary South Fork Cheyenne River	1	362.00 a. ft.	x
Porcupine Creek, tributary Cheyenne River	3	.86	61
Powder River	2	1.15	81
Powder River	1	....	x
Prairie Creek, tributary Little Missouri River	1	.22	16
Rat Creek, tributary Dry Creek	1	.12	9
Rattlesnake Creek, tributary Cheyenne River	1	.17	12
Raven Creek, tributary Belle Fourche River	1	8.00 a. ft.	*
Raven Creek, tributary Belle Fourche River	1	.67	47
Red Fork Powder River, tributary Powder River	2	.68	48
Reservoir Creek, tributary Powder River	1	168.00 a. ft.	x
Rhiner Creek, tributary Prairie Dog Creek	1	.71	50
Rock Creek, tributary Clear Creek	2	.62	44
Round Butte Draw, tributary Belle Fourche River	1	10.00 a. ft.	‡
S. A. Creek, tributary Powder River	1	1.34	94
Sackett Creek, tributary Little Goose Creek	1	16.11 a. ft.	*
Sackett Creek, tributary Little Goose Creek	1	1.68	118
Sage Creek, tributary Belle Fourche River	1	.41	29
Sage Hen Draw, tributary Little Powder River	1	4.40 a. ft.	†
Sand Creek, tributary Red Water Creek	1	145	P
Sayles Creek, tributary Rock Creek	1	.80	56
Soldier Creek, tributary Big Goose Creek	1	4.72 a. ft.	*
South Fork Sayles Creek, tributary Rock Creek	1	.27	19
Spring, tributary Cold Creek, tributary Inyan Kara Creek	1	....	‡ †
Spring, tributary Inyan Kara Creek	2	.22	16
Spring, tributary Little Tongue River	1	.07	5
Spring, tributary North Fork Crazy Woman Creek	1	1.02	72
Spring, tributary Sundance Creek	1	....	‡
Springs in Dry Gulch, tributary Belle Fourche River	1	.38	27
Spring on Elk Mountain, tributary Stockade Beaver Creek	1	.02	2
Spring Creek, tributary Clear Creek	1	.50	34.5
Spring Draw, tributary Piney Creek	1	.15	11
Stockade Beaver Creek, tributary Beaver Creek	1	40.00 a. ft.	*
Stockade Beaver Creek, tributary Beaver Creek	3	5.18	364
Stone Pile Creek, tributary Belle Fourche River	1	....	x
Stone Pile Creek and Donkey Creek, tributary Belle Fourche River	1	290.00 a. ft.	x
Storey Creek, tributary Prairie Dog Creek	2	.63	45

*Irrigation. †Stock. ‡Domestic. F Fish. xDomestic & steam for R. R.

WATER DIVISION NO. TWO—Continued.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Three Springs, tributary Stockade Beaver Creek	1	.28	20
Timber Draw, tributary Powder River	1	.24	17
Tisdale Creek, tributary Belle Fourche River	1	36.00 a. ft.	supply
Tongue River	5	4.78	336
Tongue River	1	21.00	P
Town Gulch and East Fork, tributary Clear Creek	1	50.50 a. ft.	*
Town Gulch and East Fork, tributary Clear Creek	1	1.37	96
Tributary of Buffalo Creek	1	214.50 a. ft.	*
Tributary of Buffalo Creek	3	5.16	361.7
Tributary Flat Creek, tributary Little Missouri River	1	8.00 a. ft.	*
Tributary Flat Creek, tributary Little Missouri River	1	8.00 a. ft.	*
Tributary Flat Creek, tributary Little Missouri River	2	.77	54
Two Springs, tributary Crazy Woman Creek	1	.32	23
Ute Creek, tributary Hay Creek, tributary Little Powder River	1	.57	40
Well Creek, tributary Belle Fourche River	1	37.50 a. ft.	*
Well Creek, tributary Belle Fourche River	1	.91	64
West Fork Buffalo Creek, tributary Buffalo Creek	1	8.00 a. ft.	* ‡
West Fork Buffalo Creek, tributary Buffalo Creek	1	.75	53
West Fork Cruse Creek, tributary Little Goose Creek	1	2.14	150
West Fork Hay Creek, tributary Belle Fourche River	1	.45	32
West Fork Rat Creek, tributary Dry Creek	1	.32	23
West Pass Creek, tributary Pass Creek, tributary Little Big Horn River	1	19.60 a. ft.	* †
White Tail Creek, tributary Little Powder River	2	.49	35
Wild Cat Creek, tributary Prairie Dog Creek	1	50.40 a. ft.	*
Wild Cat Creek, tributary Prairie Dog Creek	1	.78	55
Wild Horse Creek, tributary Powder River	1	6.00 a. ft.	‡ †
Wymer Draw, tributary Little Goose Creek	1	.35	25
Young's Creek, tributary Tongue River	1	1.45	102
TOTALS	249		8,966.50

*Irrigation. †Stock. ‡Domestic. P Power.

WATER DIVISION NO. THREE

TABLE SHOWING NUMBER OF CERTIFICATES OF APPROPRIATION ISSUED BY THE BOARD OF CONTROL FROM JULY 1ST, 1908, TO JULY 1ST, 1910.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Alkali Creek, tributary Paint Rock Creek	1	1.71	120
Amsburger Creek, tributary Shoshone River	1	.08	6
Badwater Creek, tributary Big Horn River	1	.65	46
Beaver Creek, tributary Shell Creek	8	3.99	282
Bennett Creek, tributary Clark's Fork River	1	1.00	70
Bridger Creek, tributary Badwater Creek	1	.88	62
Burnt Corral Creek, tributary Beaver Creek	1	.50	35
Canyon Creek, tributary North Fork Wood River	1	17.00	P
Clark's Fork River	17	37.34	2,618.72
Diamond Creek, Waste Water, tributary Shoshone River	1	.68	48
Eagle's Nest Creek, tributary Shoshone River	1	.05	4
Grey Bull River, tributary Big Horn River	41	52.79	3,705.55
Lake and Slide Creek, tributary Wood River	1	.48	34
Lake, Nameless Creek	1	1.00	70
Line Creek, tributary Clark's Fork River	2	2.45	172
Little Popo Agie River, tributary Popo Agie River	5	3.20	225
Little Rocky Creek, tributary Clark's Fork River	1	.32	22.6
Lysite Creek, tributary Badwater Creek	2	1.42	100
Madison Creek, tributary Little Popo Agie River	1	.05	4
Marquette Creek, tributary Shoshone River	1	.71	50
McKinnie Creek, tributary Grey Bull River	2	2.13	150
Medicine Lodge Creek, tributary Paint Rock Creek	7	9.63	675
Meeteetse Creek, tributary Grey Bull River	5	8.16	573
Middle Fork of Big Popo Agie River, tributary Popo Agie River	3	2.26	159
Natural Corral Springs, tributary Paint Creek	1	11.40 a. ft.	*
North Fork, tributary Big Popo Agie River	2	3.38	237
North Fork Shoshone River	5	6.56	461
Nowood River, tributary Big Horn River	12	8.90	626
Owl Creek, tributary Big Horn River	20	26.00	1,826.90
Owl Creek, tributary Big Horn River	1	4.50 a. ft.	*
Owl Creek, tributary Big Horn River	1	2.50 a. ft.	*
Paint Creek, tributary Clark's Fork River	1	567.00 a. ft.	*
Paint Creek, tributary Clark's Fork River	1	1072.75 a. ft.	*
Paint Creek, tributary Clark's Fork River	6	8.25	578.8
Paint Rock Creek, tributary Nowood River	11	7.58	532.6
Pat O'Hara Creek, tributary Clark's Fork River	1	1.10	77
Poison Creek, tributary Badwater Creek	1	....	‡ †
Big Popo Agie River	4	4.20	295
Rand Creek, tributary Shoshone River	1	.67	47
Rock Creek, tributary South Shoshone River	1	1.71	120
Rock Creek Butte Lake, tributary Shoshone River	2	.92	65
Sage Creek, tributary Shoshone River	1	1.35	95
Sage Creek, tributary Shoshone River	1	160.00 a. ft.	*
Shell Creek, tributary Big Horn River	6	10.69	750
Shoshone River, tributary Big Horn River	2	1.20	85
Slack Creek, tributary North Fork Shoshone River	1	1.71	120
South Fork Shoshone River	6	4.97	350
Spring Creek, tributary Badwater Creek	1	.05	4
Spring Gulch, tributary Grey Bull River	1	.50	35
Spring, tributary Wood River	1	.24	17
Spring, tributary Clark's Fork River	1	.25	‡
Spring, tributary Grey Bull River	1	.67	47
Spring, tributary Shoshone River	1	....	‡ †
Squaw Creek, tributary Big Popo Agie River	2	.18	12.5
Stonebridge Springs, tributary North Fork Shoshone River	1	.57	40
Table Mountain Spring, tributary North Shoshone River	1	.05	4

*Irrigation. †Stock. ‡Domestic. P Power.

WATER DIVISION NO. THREE—Continued.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Trapper Creek, tributary Shell Creek	4	2.46	173
Trout Creek, tributary Shoshone River	1	.85	60
Twin Creek, tributary Little Popo Agie River	1	.94	66
Whit Creek, tributary Shoshone River	1	295.52 a. ft.	*
Whit Creek, tributary Shoshone River	1	636.30 a. ft.	*
Whit Creek, tributary Shoshone River	3	6.66	467
Willow Creek, tributary Little Popo Agie River	1	.04	2.5
Wolf Creek, tributary Grey Bull River	1	1.14	80
Wood River, tributary Grey Bull River	1	34.00 a. ft.	P
Wood River, tributary Grey Bull River	3	3.01	212
TOTALS	221		16,718.17

*Irrigation. P Power.

WATER DIVISION NO. FOUR

TABLE SHOWING NUMBER OF CERTIFICATES OF APPROPRIATION ISSUED BY THE BOARD OF CONTROL FROM JULY 1ST, 1908, TO JULY 1ST, 1910.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Adams Springs, tributary Little Gros Ventre River	6	4.53	319
Alder Creek, tributary Fish Creek, tributary Snake River	1	.21	15
Antelope Creek, tributary Bear River	1	2.71	190
Barrel Springs, Sec. 10, Tp. 16 N., R. 116 W	1	....	‡ †
Bear River	180	743.71	52,071.88
Bear River	2	7.00	M
Bear River	2	525,000 gals.	x
Bear River through old channel	1	.50	35
Bear River and Christensen Canyon	2	10.71	750
Beaver Dam Spring, tributary Spring Creek, tributary Snake River	1	.14	10
Beaver Creek, tributary Henry's Fork	1	1.14	80
Big Cow Creek, tributary Gros Ventre River	3	3.85	270
Big Sandy Creek, tributary Green River	1	.81	57
Birch Creek, tributary Bear River	3	1.63	115
Black's Fork, tributary Green River	1	95.85 a. ft.	*
Black's Fork, tributary Green River	1	9.00	P
Black's Fork, tributary Green River	29	40.16	2,819
Black Rock Creek, tributary Buffalo Creek, tributary Snake River	1	1.71	120
Blair Creek, tributary Green River	2	3.34	234
Blair Creek, Snow Spring and a Gulch, tributary Green River	1	17.60 a. ft.	* ‡ †
Blair Creek, Samuel and Fork Springs, tributary Green River	1	12.00 a. ft.	* ‡ †
Blue Crane Creek, tributary Snake River	3	2.71	190
Botcher Springs, tributary Little Gros Ventre River	1	.50	35
Boulder Creek, tributary Green River	1	3.85	270
Bourne Creek, tributary Bear River	1	....	‡ †
Branch of Beaver Creek, tributary Henry's Fork	2	.47	33
Branch of Mill Creek, tributary Bear River	2	1.42	100
Branch of Smith's Fork, tributary Bear River	1	1.68	118
Branch of Smith's Fork, tributary Black's Fork	1	1.57	110
Branch of Smith's Fork, sometimes called Spring Creek, tributary Bear River	11	24.47	1,716
Bridger Butte Spring, Sec. 9, Tp. 15 N., R. 116 W	1	.07	5
Burdick Creek, tributary La Barge Creek	1	.97	68
Burnt Fork, tributary Henry's Fork	2	3.95	277
Bush No. 1 Spring	1	.11	8
Bush No. 2 Spring	1	.10	7
Bush No. 3 Spring	1	.10	7
Cache Creek, tributary Little Gros Ventre River	11	13.57	953
Camp Creek, tributary Fontenelle Creek, tributary Green River	1	.28	20
Chalk Creek, tributary Bear River	1	.71	50
Clear Creek, tributary Muddy Creek	1	.64	45.3
Clear Creek, tributary Twin Creek, tributary Bear River	1	200,000 gals.	x
Clear Creek, tributary Twin Creek, tributary Bear River	4	1.70	120
Cody Creek, tributary Snake River	1	.57	40
Conway Creek, tributary La Barge Creek	2	1.45	102
Cottonwood Creek, tributary Green River	6	11.25	789
Cottonwood Creek, tributary Snake River	1	1.85	130
Cross Meadow Spring No. 1, tributary Big Muddy Creek	1	....	‡ †
Cross Meadow Spring No. 2, tributary Big Muddy Creek	1	....	‡ †
Cross Meadow Spring No. 4, tributary Big Muddy Creek	1	....	‡ †
Cross Meadow Spring No. 5, tributary Big Muddy Creek	1	....	‡ †
Crystal Creek, tributary Gros Ventre River	2	3.78	265

*Irrigation. †Stock. ‡Domestic. M Municipal. xPer 24 hours for R. R. purposes. P Power.

WATER DIVISION NO. FOUR—Continued.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Daniels Creek, tributary Red Creek, tributary Green River	1	.97	68
Ditch Creek, tributary Snake River	5	3.34	235
Duck Creek and West Fork, tributary New Fork	1	2.57	180
Duck Creek, tributary New Fork	1	1.64	115
East Beaver Creek, tributary Henry's Fork	1	2.14	150
East Branch of Mill Creek, tributary Mill Creek	3	2.22	157
East Channel of Smith's Fork, tributary Black's Fork	1	.74	52
East Fork of New Fork, tributary Green River	5	12.59	883
East Fork of Smith's Fork, tributary Black's Fork	2	4.78	335
East Muddy Creek, tributary Big Muddy Creek	1	1.82	128
Erwin Creek, tributary Bear River	1	.25	18
Fifteen Hundred Dollar Spring, tributary Pacific Creek	1	.07	5
Fish Creek, tributary Muddy Creek	1	1.42	100.1
Fish Creek, tributary Snake River	3	3.71	261
Fisk's Spring, tributary Spring Creek, tributary Snake River	1	.71	50
Five Springs, Sec. 21, Tp. 12 N., R. 111 W	1	.07	5
Flat Creek, tributary Salt River	1	.78	55
Flat Creek, tributary Snake River	1	1.05	74
Flat Creek and Little Gros Ventre River, tributary Snake River	1	.42	30
Fontenelle Creek, tributary Green River	3	6.88	483.35
Foote Spring, tributary Bear River	1		†
Fork Spring, tributary Blair Creek	1	1.67	117
Fowkes Canyon Creek, tributary Bear River	2	1.78	125
Game Creek, tributary Little Gros Ventre River	1	.92	65
Goodwater Creek, tributary Green River	1	1.42	100
Granite Creek, tributary Snake River	5	9.54	670
Green River	13	29.81	2,090.29
Groo Creek, tributary Bear River	1	1.14	80
Gros Ventre River, tributary Snake River	56	91.66	6,451.68
Guild Spring, Sec. 33, Tp. 16 N., R. 114 W	1		‡
Gulch draining into Green River	1	1.67	117
Hamilton Spring Creek, tributary Bear River	1	.64	45
Hamilton Spring, Sec. 6, Tp. 13 N., R. 115 W	1	1.42	100
Ham's Fork, tributary Black's Fork	6	34.14	2,391
Hawkville Creek, tributary Fontenelle Creek	1	.31	22
Hay No. 1 Spring	1	.27	19
Henry's Fork, tributary Green River	11	24.23	1,699.28
Hilliard Sulphur Creek, tributary Bear River	2	.85	60
Hillside No. 1 Spring, tributary J. Morrow, tributary Pacific Creek	1	.05	4
Hillside No. 2 Spring, tributary J. Morrow, tributary Pacific Creek	1	.04	3
H. M. Ely's Spring, tributary Snake River	2	1.78	125
Holland Creek, tributary Little Gros Ventre River	6	3.85	272
Horse Creek, tributary Green River	5	8.50	596
Jensen Creek, tributary Snake River	2	1.42	100
Jones Creek, tributary Black's Fork	2	3.49	245
Kaufman Creek, tributary Phelps Lake Creek	2	1.73	122
Kilpecker Creek, tributary Cottonwood Creek	1	2.02	132
Kissinger Spring, tributary Snake River	1	.02	2
Knights Hollow Spring, tributary Bear River	1		‡ †
La Barge Creek, tributary Green River	6	43.69	3,060
Lake Creek, tributary Thomas Fork, tributary Bear River	1	1.28	90
Lake Creek, tributary Snake River	2	.86	61
Lamb Creek Springs, tributary Henry's Fork	1	.21	15
Lava Creek, tributary Buffalo Creek, tributary Snake River	1	1.97	138
Lead Creek, tributary Horse Creek	1	4.45	312
Leeds Creek, tributary Bear River	2	6.10	427
Little Cow Creek, tributary Gros Ventre River	1	2.14	150
Little Granite Creek, tributary Snake River	1	1.14	80

†Stock. ‡Domestic.

WATER DIVISION NO. FOUR—Continued.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Little Gros Ventre River, tributary Snake River	51	69.98	4,914
Little Sandy Creek, tributary Big Sandy Creek	6	19.72	1,383
Luman Creek, tributary Big Sandy Creek	2	.74	51.6
Lyman Spring, tributary Black's Fork	1	....	‡ †
Manganese Spring, tributary J. Morrow, tributary Pacific Creek	1	.14	10
Manning Springs, tributary Gros Ventre River	1	.52	37
Marialaky Springs, tributary Bear River	1	....	‡ †
Mattson Springs, tributary Snake River	1	.67	40
Meadow Creek, tributary Gros Ventre River	1	1.35	95
Meadow Creek, tributary Snake River	1	2.28	160
Meadow Canon Creek, tributary Muddy Creek, tributary Green River	1	5.35	375
Mellor Creek, tributary Little Bitter Creek	1	.38	27
Mill Creek, tributary Bear River	19	35.67	2,502
Mill Creek, tributary Green River	1	.81	57
Mosketo Creek, tributary Snake River	1	.42	30
Mud Springs, tributary Ditch Creek	1	.57	40
Big Muddy Creek, tributary Black's Fork	5	11.09	776.95
Muddy Creek, tributary Ham's Fork	1	6.17	432
Nethercott Springs, tributary Snake River	1	1.21	85
Newbold Springs, tributary Snake River	1	.01	1
New Fork, tributary Green River	3	4.74	332
Neilson Springs, Sec. 9, Tp. 12 N., R. 112 W	1	....	‡
North Cottonwood Creek, tributary Green River	1	.47	33
North Lake Spring Creek, tributary Bear River	1	.28	20
North Prater Creek, tributary Salt River	1	2.28	160
North and South Spring Creek, tributary Snake River	1	1.85	130
North Twin Creek, tributary Little Gros Ventre River	1	.35	25
North Twin Springs, tributary Snake River	1	....	§
North Willow Creek, tributary Bear River	1	.35	25
Peterson Springs, tributary Salt River	1	.07	5
Phelps Lake Creek, tributary Fish Creek, tributary Snake River	5	2.83	199.5
Phillips Creek, tributary Fish Creek, tributary Snake River	2	5.14	360
Pine Creek, tributary Smith's Fork Creek, tributary Bear River	3	10.79	755
Pine Creek, tributary New Fork, tributary Green River	1	1.74	122
Pleasant Valley or Sulphur Creek, tributary Bear River	4	1.67	118
Pine Tree Creek, tributary Fontenelle Creek	1	.27	19
Middle Piney Creek, tributary Green River	3	2.41	170
North Piney Creek, tributary Green River	5	8.64	606
South Piney Creek, tributary Green River	4	5.61	889
Poison Creek, tributary Bear River	2	1.56	110
Pole Creek, tributary New Fork	1	1.84	129
Porcupine Creek, tributary Snake River	2	1.07	75.5
Potatoe Hollow Springs Creek, tributary Bear River	1	1.71	120
Raymond Creek, tributary Thomas Fork, tributary Bear River	6	12.65	894.54
Redmond Spring, tributary Spring Creek, tributary Snake River	1	.50	35
Reserve Creek, tributary Snake River	1	.21	15
Reservoir Spring, tributary J. Morrow, tributary Pacific Creek	1	.07	5
Robert Spring, tributary Big Muddy Creek	1	....	‡ †
Rock Creek, tributary Twin Creek, tributary Bear River	4	2.90	204
Rock Creek, tributary Twin Creek, tributary Bear River	1	200,000 gals.	x
Ryan Creek, tributary Sublette Creek	1	.85	60
Sage Creek, tributary Yellow Creek	1	2.08	146
Salt River, tributary Snake River	3	2.98	208.76
Samuel Spring, tributary Blair Creek	1	1.67	117
Schofield Springs, tributary Burcher Creek, tributary Snake River	1	.28	20

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†Stock. ‡Domestic. §Supplemental irrigation. xPer 24 hours for R. R. purposes. P Power.

WATER DIVISION NO. FOUR—Continued.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Seepage NE¼ NE¼ Sec. 4, Tp. 12 N., R. 113 W.	1	.50	35
Seepage and Springs, Sec. 7, Tp. 13 N., R. 116 W.	1	1.78	125
Sheep Creek, tributary Little Gros Ventre River	1	.74	52
Six Mile Creek, tributary Black's Fork	1	.85	60
Six Springs, tributary Bear River	1	.01	1
Sloughs, tributary Bear River	23	17.73	1,248.05
Small Springs, Sec. 17, Tp. 12 N., R. 111 W.	1		‡
Smith's Fork, tributary Bear River	24	53.70	3,767
Smith's Fork, tributary Black's Fork	20	28.84	2,024.60
Snake River	21	23.86	1,676
Snow Spring and a Gulch which drains into Green River	2	3.34	234
South Beaver Creek, tributary Green River	1	.52	37
South Cottonwood Creek, tributary Green River	3	5.85	411
South Willow Creek, tributary Bear River	1	.52	37
Spread Creek, tributary Snake River	1	2.85	200
Spring Branch Creek, tributary Little Gros Ventre River	1	.50	35
Spring Branch, tributary West Fork of Smith Fork, tributary Black's Fork	1	1.90	133
Spring Creek, tributary Bear River	3	1.51	106.93
Spring Creek, tributary Smith's Fork, tributary Bear River	2	.70	50
Spring Creek, tributary Fish Creek, tributary Snake River	1	.38	27
Spring Creek, tributary Gros Ventre River	1	2.90	203
Spring Creek, tributary North Piney Creek	2	4.63	325
Spring Creek, tributary Silver Creek	1	1.32	93
Spring Creek, tributary Teton Creek	1	1.57	110
Spring Creek, tributary Snake River	9	7.45	524
Springs and Birch Creek, tributary Bear River	1	.42	30
Springs, Sec. 5, Tp. 25 N., R. 119 W., tributary Bear River	1	.28	20
Springs, Sec. 29, Tp. 25 N., R. 119 W., tributary Bear River.	1	.71	50
Springs, Sec. 31, Tp. 26 N., R. 119 W., tributary Bear River.	1		‡ †
Spring, Sec. 12, Tp. 25 N., R. 120 W., tributary Bear River	1	.04	3
Springs, Sec. 23, Tp. 14 N., R. 118 W., tributary Big Muddy Creek	1		‡ †
Spring, tributary Daniels Creek	1	.17	12
Springs, Sec. 28, Tp. 16 N., R. 105 W., tributary Little Bitter Creek	1	.67	47
Spring, Sec. 20, Tp. 15 N., R. 104 W., tributary Little Bitter Creek	1	.14	10
Spring, Sec. 16, Tp. 15 N., R. 104 W., tributary Little Bitter Creek	1	.60	42
Springs Nos. 1 and 2, tributary Little Bitter Creek	1	.20	14
Springs, tributary Little Sandy Creek	1	2.14	150
Springs on head of Mellor Creek, tributary Little Bitter Creek	1	.44	31
Springs in Mellor Canyon, Sec. 5, Tp. 16 N., R. 104 W.	1	.70	49
Springs near South Piney Creek	1	2.57	180
Springs, Sec. 25, Tp. 40 N., R. 117 W., tributary Snake River	1	1.50	105
Springs (Munger Mountain), tributary Snake River	1	1.42	100
Springs, Sec. 19, Tp. 13 N., R. 118 W., tributary Willow Creek	1		‡ †
Springs, Sec. 5, Tp. 34 N., R. 110 W.	1		‡
Springs, Sec. 5, Tp. 34 N., R. 110 W.	1	.35	25
Springs, Sec. 4, Tp. 12 N., R. 113 W.	1	1.17	82
Spring, Sec. 30, Tp. 13 N., R. 114 W.	1		‡
Springs, Sec. 29, Tp. 16 N., R. 114 W.	1	2.28	160
Springs, Sec. 11, Tp. 26 N., R. 114 W.	1	.60	42
Springs, Sec. 7, Tp. 14 N., R. 117 W.	1	.28	20
Stewart Creek, tributary Snake River	1	.71	50
Strawberry Creek, tributary Salt River	2	1.14	80
Sublette Creek, tributary Bear River	2	9.65	676
Sucker Springs, tributary Bear River	1	§	‡ †

†Stock. ‡Domestic. §Supplemental irrigation.

WATER DIVISION NO. FOUR—Continued.

NAME OF STREAM	Number of Appropriations	Volume Appropriated, cu. ft. per second	Acres Irrigated
Sulphur Creek Canyon Springs, tributary Yellow Creek	1	3.79	265.52
Sulphur Creek Canyon Springs, tributary Yellow Creek	1		†
Surface Water (Gulch in Munger Mountain), tributary Snake River	1		§
Swamp Creek, tributary Little Gros Ventre River	3	4.07	285
Swamp Springs, tributary Snake River	1	.57	40
Three Mile Creek, tributary Black's Fork	1	1.14	80
Timber Creek, tributary Gros Ventre River	2	.84	60
Trail Creek, tributary Fish Creek, tributary Snake River	3	2.34	165
Twin Creek, tributary Bear River	10	43.04	3,016
Twin Creek, tributary Little Gros Ventre River	1	2.28	160
Twin Spring, tributary Snake River	1	4.00	280
Underwood Creek, tributary Bear River	1	2.00	140
Valdez and Uncle Mike Spring, tributary Little Gros Ventre River	1	.35	25
Wahsatch Springs, tributary Yellow Creek	1	.17	12
Waste Water, tributary Birch Creek	1	1.14	80
Well draining into Smith's Fork, tributary Bear River	1	200,000 gals.	x
West Channel of Smith's Fork, tributary Black's Fork	1	.50	35
West Fork of Bear River, by a Slough and a Spring	1	5.70	399
West Fork of Bear River	2	5.16	362
West Fork of New Fork, tributary Green River	11	15.00	1,052
West Fork of Smith's Fork, tributary Black's Fork	1	2.15	151
West Spring of Twin Springs, tributary Snake River	1	.04	3
White Springs, tributary Little Gros Ventre River	1	1.71	120
Willow Creek, tributary Bear River	5	13.14	921
Willow Creek and Smith's Fork, tributary Black's Fork	1	2.28	160
Willow Creek, tributary New Fork River	3	3.45	242
Willow Creek, tributary Salt River	1	.42	30
Willow Creek, tributary Smith's Fork, tributary Black's Fork	1	.92	65
Woolf Creek, tributary Fontenelle Creek	1	.90	63
Wyman Creek, tributary Bear River	1	2.00	140
Yellow Creek, tributary Bear River	14	11.79	829
Yellow Creek and a Slough, tributary Bear River	1	1.61	113
TOTALS	881		125,435.83

Total number of appropriations and acreage, Div. No. 1	302		15,827.70
Total number of appropriations and acreage, Div. No. 2	249		8,966.50
Total number of appropriations and acreage, Div. No. 3	221		16,718.17
Total number of appropriations and acreage, Div. No. 4	881		125,435.83
TOTAL IN FOUR DIVISIONS	1653		166,948.20
Total area under certificates heretofore issued			1,119,659.12
GRAND TOTAL UNDER CERTIFICATES			1,286,607.32

xPer 24 hours for R. R. purposes.

Reports of Division Superintendents

REPORT OF SUPERINTENDENT OF WATER DIVISION NUMBER ONE.

CHEYENNE, WYOMING, November 22, 1910.

HON. CLARENCE T. JOHNSTON,
STATE ENGINEER,
Cheyenne, Wyoming.

DEAR SIR:

Complying with your request a report of the work done in Water Division Number One for the years 1909 and 1910 is herewith submitted.

During the past two years I have visited all the water districts in this division at least once, and many of them several times. This division contains twenty-three water districts, embracing an area of about seven hundred and eighty-five townships, or approximately 28,260 square miles. In order to get the best results and save time I used my own conveyance.

During the year 1909 this division was blessed with plenty of water in the streams throughout irrigation season. The rainfall was above normal so that calls upon district water commissioners were very few in number. Appropriators generally were prosperous. Crops were good, yielding large returns per acre, thus creating a demand among the farmers and ranchmen for irrigated lands and lands susceptible of irrigation. The demands made by those holding permits to submit proof in order that water rights might be finally established has increased the work of this office. The increased interest appropriators manifest in protecting themselves under the law is noticeable in a marked degree.

The irrigation season of 1910 was unusually dry on account of the light fall of snow in the mountains during the winter of 1909 and 1910 and the lack of rain during the summer months. This has been the driest season for thirty-five years, according to the records of the Government Weather Station at Cheyenne. The demand made by water users upon this office and upon the district water commissioners in the distribution of water were greater than during any previous year since I have been connected with this department.

Under the card system of the record for field work, inaugurated during the early history of the present Board of Control, the Superintendents have had information relating to ditches and irrigated lands which has been of great value during the past irrigation season. These cards are also of great service in taking proofs under permits. There are many outstanding permits under which proof should be submitted, as the records of your office will show. The records of your office show that about nine hundred and forty-eight permits have been granted to applicants in this division in the past two years, of these about six hundred and eighteen are ditch permits, one hundred and nine being for enlargements of ditches and two hundred and twenty-one for reservoirs. During the same period of time I have taken five hundred and eight proofs. Certificates of appropriation have been issued under three hundred and two of this number, covering 15,827.70 acres of land. The remaining two hundred and six proofs were submitted to the Board of Control during the November meeting of this year. During the past two years I examined and received reports on two hundred and sixty-five projects under permit that have been reported to your office for cancellation, making a total of seven hundred and seventy-three permits reported on from this division. These figures show that there were about one hundred and seventy-five permits more issued than were disposed of during the past two years.

In March, 1910, the following circular letter was mailed from this office to all holders of permits who had reported the completion of their irrigation works:

Mr..................................
.........................., Wyoming.

DEAR SIR:

Information regarding.........................Ditch and the land irrigated from same under Permit No. ....is requested.

Kindly answer the following questions by filling out the blanks below and return to this office in the enclosed stamped envelope.

Very truly yours,
PITT COVERT,
Superintendent Water Division No. 1.

1. Is said ditch now in use?...........
2. How many acres of land are now being irrigated from said ditch?...............
3. Give the names of the present owners of said ditch.......... ....
4. Was said ditch built and land irrigated within the time stated in said permit? ....

Remarks: ....

Very truly,
....

The information received from these letters has been of much benefit in taking proof relating to same. All of the circular letters that were returned are filed in this office under a system that one can quickly refer to from the record card that relates to the same project. Respectfully submitted,

PITT COVERT,
Superintendent of Water Division No. 1.

REPORT OF SUPERINTENDENT OF WATER DIVISION NUMBER TWO.

SHERIDAN, WYO., November 15th, 1910.

HON. CLARENCE T. JOHNSTON,
STATE ENGINEER,
Cheyenne, Wyoming.

DEAR SIR:

In compliance with your request, I have the honor to submit herewith a report of the work accomplished in Water Division Number Two during the years 1909 and 1910.

During the two years I have traveled more than three thousand miles, mostly by team, and have examined 505 ditches under permit. Of this number I received 395 proofs on ditches and reservoirs. The remaining number (110) examined are not entitled to a final proof and certificate, because of non-compliance with the terms of the permit, or with the projects having been entirely abandoned. These have been tabulated and reported to your office for cancellation. But for the prolonged drouth, many more proofs would have been submitted this year. I found in many instances that work on ditches and reservoirs had been completed, but owing to there being no water, a beneficial application of same could not be made to the land.

During the year 1909 all streams afforded an ample supply of water for irrigation, and large crops of all kinds were raised. No trouble was experienced by any of the Water Commissioners in the performance of their duties. Last winter the fall of snow was very light in the mountains, thus causing a great shortage in the water supply, which coupled with the severe drouth during the spring and summer, caused the loss of many crops, while all were light. Of hay and grain, probably not more than two-thirds of a crop was raised throughout this division. There was no high water in any of the streams this year, and what water there was diminished in quantity very rapidly. This naturally made a great deal of work for the Water Commissioners. In Districts Nos. 2, 3 and 4 in Sheridan and Johnson counties, it became necessary to appoint Deputy Water Commisisoners to serve during the most strenuous part of the season, and during two months I put in all of my time in measuring streams and ditches and assisting the various Commissioners in their work.

Am glad to report that the work was accomplished, under the most trying conditions, with very little friction and no serious differences. The only case in which an appeal was taken from the order of the Superintendent, was one wherein water was demanded for power purposes, the granting of which would have made necessary the closing down of several large ditches at the most critical time of the irrigation season, thereby causing the loss of all crops over a large irrigated area, as the mill for which this water is used for power is situated on the stream below all irrigation.

The demand was refused, whereupon an appeal was taken to the District Court, where the matter is still pending, but will probably be decided at the next regular term in December.

Power may be obtained cheaply in other ways, and in this State, where water is absolutely necessary for the raising of crops, its use for power purposes should not, in my opinion, be allowed to interfere with irrigation.

The present dry season has taught water users the value of early irrigation. One of the Water Commisisoners in his report to me says, "As a rule better crops were raised in my district this year by appropriators having only flood water rights, than by those having the early priorities." The appropriator of flood water knows that he must use it early in the season or not at all.

One instance will serve to show the predicament which many found themselves in this year. A man on Piney, yielding to the press of other spring work, neglected to place his ditch in repair for early irrigation; and when finally he turned the water into his ditch one morning, the Water Commissioner was compelled to shut it down the same afternoon.

The necessity of having ditches cleaned out and in shape for early irrigation, cannot be too strongly urged upon all water users. The construction of reservoirs has also been given a strong impetus. Not only in the mountains, where permits have been secured for the large sites, and work commenced, but all over the division individual ranchmen have made application for permits for small reservoirs on or near their land holdings to be filled by flood water from draws. A number of these, finished within the last year or two, have been of wonderful benefit to the owners, more than paying for the cost of construction this year. Under the "Irrigation District" law, two irrigation districts have been formed in Sheridan county. One, known as the Sheridan District, embraces about 10,000 acres of land lying in the Little Goose Creek Valley between Sheridan and Big Horn. The other, called the Parkman District, comprises 12,000 acres adjacent to Parkman on Five Mile and Twin Creeks. Each of these Districts has been bonded for $150,000 to pay for the construction of irrigation ditches and reservoirs, and acquiring additional water rights.

For the purpose of determining the amount of water lost to the State during the flood season, which might be stored and used for late irrigation, by direction of the State Engineer, gaging stations were established in May, 1909, on Tongue River, Piney and Big and Little Goose Creeks. These stations have been maintained during 1909 and 1910. Observers take the gage readings twice each day, and as often as required, measurements with the current meter have been made by the Superintendent. Dome Lake reservoir on the West Fork of Big Goose Creek, and Cloud Peak Reserovir on Piney, were completed in 1909, and water stored this year. A small volume of water was also stored in the Big Horn and Park reservoirs on Big Goose Creek. The proper distribution of this stored water, all of which is used many miles distant from the reservoirs, and carried thence in the channels of natural streams, mingled with the waters of same, has added much to the complication of water rights and the complexities of the irrigation officials.

For the purpose of determining the amount of stored water discharged, the law provides for the construction of rating flumes above and below reservoirs located across the bed of natural streams. But where this stored water runs for 15 or 20 or more miles in the natural stream before being diverted therefrom, some way should be provided by which the loss from seepage, evaporation, etc., can be determined. At present this is a matter of guess work, and leaves room for much complaint from reservoir owners and the users of stored water on one side, and appropriators of water from the natural streams on the other.

I believe that in every natural stream used for the conveyance of stored water, provision should be made for the construction of rating flumes at or near the mouth of the canyon, above all ditches, in order that the water may be measured and the amount of loss determined.

The expense would not be great and should be borne by the State. The flumes should be constructed under the direction and supervision of the State Engineer.

I find in taking proofs that many of the people, fully one-fourth, I should say, have mislaid or in some way lost their permit and map. If each application for permit were required to be accompanied by a map or plat in triplicate, one of which could be a blue print and this sent to the Superintendent together with the card, many annoying delays and errors in the taking of proofs would be prevented. Respectfully submitted,

HARRY FULMER,
Superintendent Water Division No. 2.

REPORT OF SUPERINTENDENT OF WATER DIVISION NUMBER THREE.

CHEYENNE, WYOMING, November 22, 1910.

MR. CLARENCE T. JOHNSTON,
STATE ENGINEER,
Cheyenne, Wyoming.

DEAR SIR:

In accordance with your request, I hand you herewith my report for the years 1909-1910.

In 1909 the work of the office was of a routine nature, taking proofs, inspecting various kinds of projects, lands, etc. In addition to this was the correspondence of the office, which grows much more extensive each year and is one of the important features of the work of a superintendent. This correspondence is always promptly taken care of when the superintendent is at home, but as the duties of his office keep him in the field most of the time during the irrigation season, this portion of the work is of a necessity more or less neglected.

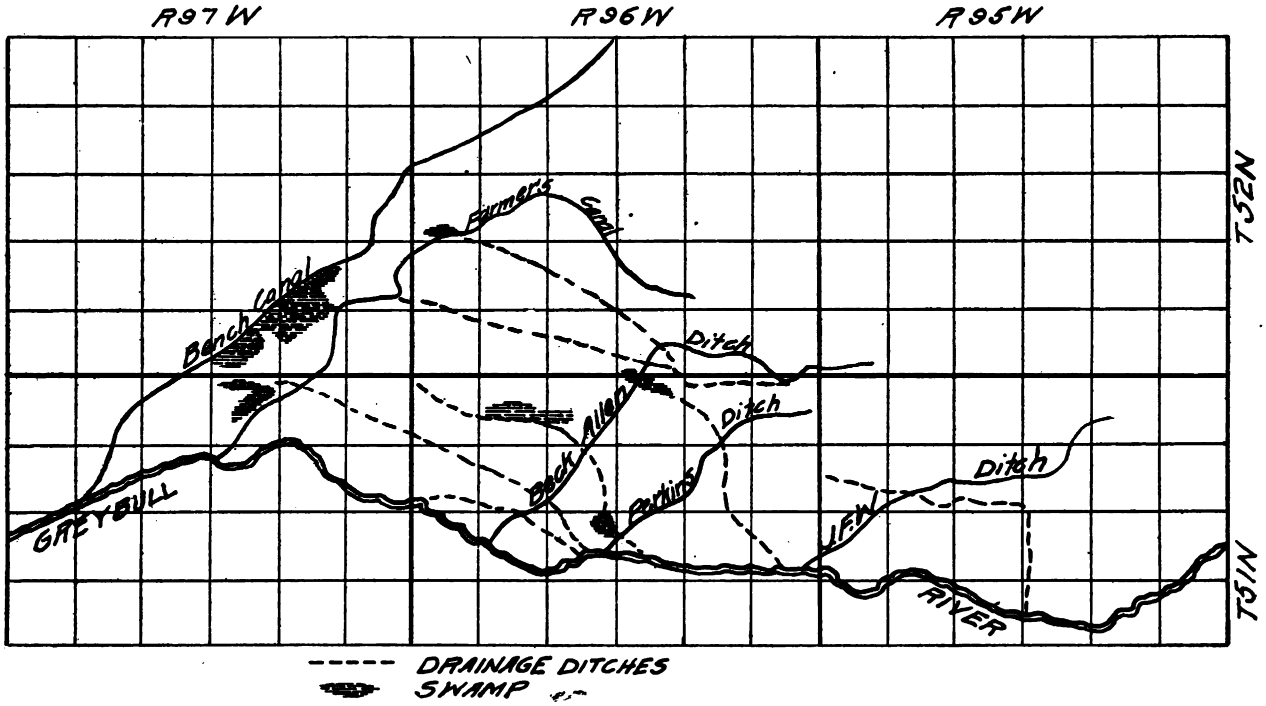
As all of my work takes me away from railroads and traveling must be done by team, I am not able to cover as much country as I would like to do each year, yet with this rather slow method, I traveled in 1909 over 1,500 miles and in 1910 over 2,000 miles.

In the fall of 1909, I spent considerable time investigating alkalis and drainage conditions in the Grey Bull and other valleys, and in August of 1910, completed such investigations. I am presenting herewith a map of the Fenton-Burlington-Otto communities, showing the river, ditches and the proposed drainage system. I did not make a detailed survey, as that would be a waste of time and money, unless the people were ready to at once commence operations, and they were not ready at that time. The proposed drain ditches are, however, in approximately the proper place on this map.

My recommendations are that not less than three main ditches be built as shown on this map, not less than four feet deep, and into these, all other drains and waste ditches to be emptied. This will carry all surplus water away rapidly, thus preventing the rising of alkali and will wash away the alkali already deposited. This same system can be carried out in any place needing drainage, and to a more or less extent can be accomplished by a concerted action of the people interested.

Each farm should have good ditches surrounding it, the extra dirt thrown into the center of the road, thus serving a double purpose, draining the lands and making good roads, both highly desirable objects.

I would also recommend that a law be passed by the Legislature, providing for drainage districts, as is now provided for


R97W
R96W
R95W
T52N
T51N
GREYBULL
RIVER
Bench Canal
Farmers Canal
Ditch
Beck Allen
Ditch
Perkins
Ditch
I.F.W.
Ditch
DRAINAGE DITCHES
SWAMP

irrigation districts. The object aimed at is to allow the issue of bonds for this purpose, as in no other way can it be carried out on a large scale.

It is the lack of proper drainage that has caused the ruin of so much land by seepage and the rising of alkali. The writer has made a very careful investigation and continued observation of the action of alkali, methods of removal, etc. As is well known, alkali rises where water settles and then evaporates. For this reason the broad flat lands show alkali first while the rolling lands are more or less self draining. Hence this point is true, the faster you keep water moving, the less alkali will be deposited and more removed by the action of the water. With this fact established, every effort should be made by irrigators and engineers to so lay out ditches as to obtain a reasonably fast and steady flow of water to remove rapidly all surplus water, lower the water table and thus lessen the amount and effects of alkali.

Most of the year 1910 was given over to the adjudication along the Big Horn and Wind Rivers and their un-adjudicated tributaries. The necessary surveys were made by the State Engineer's office in 1909 and the maps thereof placed in the hands of the Superintendent. In May of 1910, proper and legal notices were published in seven newspapers along the streams, and the same notice was sent to each appropriator of record. The actual work was commenced in June of this year and followed to completion in November. Proofs were made on all completed canals and ditches, leaving out those where time had not expired. One postponement was made of a portion of the work in the northern part of Big Horn County, but was later completed. Owing to the great amount of work connected therewith, I will be unable to turn these proofs over to the Board of Control until the regular meeting in April. This work was completed late in the year, leaving me no time in which to check them over and compare with the records. This extra checking is done with the idea of eliminating all mistakes and errors of descriptions of land, acreage and names of claimants. It is much easier to correct such errors as may occur, before the certificates are issued than after. Every effort has been made to have this great work done correctly and to the satisfaction of the people, and I am pleased to say that no protests nor contests have been filed with me in the time prescribed by law, nor at any time, thus showing that the people are satisfied with the work.

By reason of many complications arising, all but two or three of what are known as Indian claims, have been postponed. As all or most of these rights are under permit, however, they will not lose their standing and can and will be settled at a later date.

When all of this work is turned over to the Board of Control, every stream in Division Number Three will have been adjudicated, leaving all work of the future under state permit.

For the first time during my term of office, there was a general shortage of water over the State this year. The work and expense of the water commissioners have been much greater than ever before. All streams were more or less short, but some of them do not supply a very great amount of land, hence but little effect was noticed.

Owl Creek was unusually short, the commissioner commencing work in June and continuing till late fall. Some crops were lost on this stream, but the water was handled to the best advantage, being rotated in use as much as possible, thus saving some crops that would otherwise have been lost.

It will be absolutely necessary to have some new source of supply for this valley, as Owl Creek is usually short some time of the year. A thorough investigation may develop some good reservoir sites. If so, a district could easily be formed there to provide funds for their construction. Also there has been some talk of turning a branch of Wind River into the Owl Valley, which would give plenty of water, if it can be done within a reasonable cost. This matter should receive further consideration from this office.

The shortage of water continued for four months on the Grey Bull River. The commissioner and his assistants were kept constantly at work, changing water from one ditch to another, and from one end of the stream to the other, trying at all times to get some water to each appropriator. Every effort was made to find out just how much and when the early priority needed water, and if he did not need it, it was divided among the other users. The early rights were always fully protected, but they were not allowed to use more than they actually needed, regardless of what their rights called for. We were so successful in this work, that in this particular valley more acres of crops and more bushels to the acre were raised than ever in its history. This shows the necessity and wisdom of a judicious handling of the water in any stream. There was some opposition among the owners of the early rights to this method, but before the close of the season, they recognized its wisdom and commented favorably thereon.

There is now a widespread movement toward the building of reservoirs for the storage of water for late use. Heretofore this matter has been generally neglected. My judgment is that many reservoirs will soon be built along streams, where heretofore it was not supposed there were any good sites. Necessity will force a proper investigation and construction, where today they are undreamed of. The people should be encouraged in this work, not only for the additional supply for lands now under cultivation, but to bring under water thousands of acres of land that can be watered in no other way.

I would recommend that township maps be furnished the Superintendents, on which a record should be kept of all proofs made. This map would be very useful in checking up lands under canals, to see that none were left without a water right. Many errors were made in the early days of this work, and possibly some may be made in the future, and such a map would be a great help in preventing errors and in correcting such as may have been made. I have used this method in the adjudication work on the Big Horn River, putting on each sub-division the acres irrigated, the number of permit and the owner's name, thus making a perfect record.

The work in the field has materially increased and continues to grow each year. The office correspondence is very heavy, averaging from one to twenty letters a day. Also the superintendent is called in consultation hundreds of times, where no record is made, nor is a record necessary, yet it takes much time. The people are coming every day for advice and information that they can get in no other place. In this respect, it is one of the most important positions in the State. It deals more directly with the people, knows their needs and conditions better than any other place, and is of the greatest help to them, all of which they fully appreciate.

In connection herewith, I want to express my appreciation of the help and good will extended to me by the people. They have given me every encouragement in the performance of my duties and without their hearty co-operation the administration of the work of this office would be extremely difficult. They have always been consulted before any great change has been made and their advice has always been good, founded as it is, upon actual experience and observation.

With a full appreciation of the invaluable help of your office, I am,

Respectfully,

LOU BLAKESLEY,

Superintendent Water Division No. 3.

SHOSHONE DAM, CODY, WYOMING

REPORT OF THE SUPERINTENDENT OF WATER DIVISION NUMBER FOUR

MR. CLARENCE T. JOHNSTON,
STATE ENGINEER,
Cheyenne, Wyoming.

DEAR SIR:

In compliance with your request, I herewith submit my report of work done as Superintendent of Water Division Number Four.

I was appointed to fill the unexpired term of Mr. Walter B. Dunton, and assumed the duties of the office of Superintendent of Water Division Number Four upon February 24th, 1909. My predecessor having regularly turned over to me the records, files and papers, I at once commenced the checking of same and visited the offices of the Board of Control and that of the State Engineer to complete this part of my work, as well as to familiarize myself with other duties incumbent upon me.

My initial journey into the country was taken south of Carter Station and embraced Water Districts numbered 3, 4 and 16, when the following named places were visited: Lyman, Bridger, Piedmont, Robertson, Lonetree, Burntfork, Lucerne, Mountainview and Urie, at which points proofs were taken, notices having been previously sent to the appropriators where their names appeared on the index cards carried with me. I found that many transfers and changes had occurred, but by diligent inquiry was enabled in most cases to locate the parties entitled to make proof.

My second itinerary was mapped out for the country along Green River and its tributaries embraced in Water Districts numbered 5, 7, 9, 10, 11 and 12, when the following named places were visited: Opal, Fontenelle, LaBarge, Big Piney, New Fork, Pinedale, Cora, Daniel, Ball, Mason, Midway, Viola and Palisade where some hundred proofs were submitted and taken.

The greater part of the month of September, 1909, was devoted to the completion of the adjudication of the Snake River and its tributaries. This work was commenced in 1908 by the Superintendent of Division Number One (the Superintendent of Water Division Number Four being unable to attend, owing to serious sickness in his family). Valuable work was rendered by such superintendent and he was greatly assisted by the water commissioner of this district.

The towns of Jackson, Zenith, Grovont, Teton, Wilson and Alta were visited by me and in all some two hundred and fifty proofs submitted and taken; checking of my field work was then commenced, the proper notices set forth in the various newspapers as required by law, and a tabulation made of the various proofs taken, such tabulation being regularly filed with the Secretary of the Board.

The Water Commissioners called upon by me reported promptly to all inquiries made upon them and I found them at all times ready to assist the Superintendent.

The heavy snows during the winter of 1908 and spring of 1909 caused a copious flow for the coming summer. But few complaints were heard or registered and little work necessitated on the part of the Water Commissioners.

Unfortunately the year 1910 has proved very different. Some of the irrigators state that the season just passed has been the driest in thirty years, while others prolong this period to forty-two years. Whatever uncertainty or inaccuracy may be attached to this statement, it is certainly true that the water supply on the majority of the streams visited has been quite limited. Hay would be very scarce now if it were not that a partial supply has been left over from the previous year.

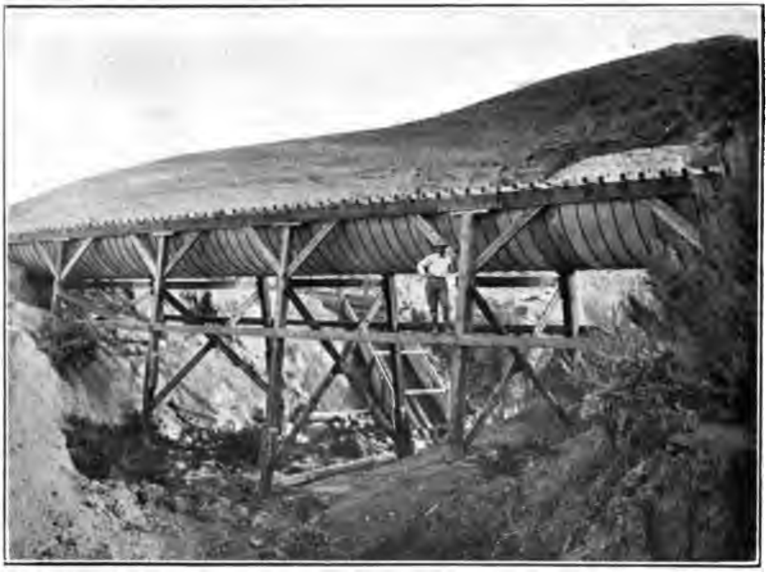
Owing to the many complaints reaching me this year I deemed it best to personally investigate their true cause and superintend this part of the work myself. I have, therefore, devoted most of my time to purely administrative work instead of taking proofs. In the short time travel was permitted considerable country has been traversed and an earnest endeavor made to ascertain the cause of the various grievances and adjust the same as far as it was in my power so to do. On all occasions timely notices were sent to all appropriators of water to meet me at such places as best suited their convenience for the submission of their proofs.

Many calls have been made for the pamphlets containing a tabulation of the adjudicated water rights in my division as well as for copies of the codified irrigation laws of the State. These have been supplied and welcomed by those making such application. .In connection with this tabulation I have found that if an addition of the stream priority number together with the number of the permit under which proof was taken (and certificate of appropriation issued) could be set forth, it would greatly assist the Superintendent as well as the Water Commissioners of the several districts.

I wish to take this opportunity to thank you and the members of the Board of Control as well as the Secretary of the Board and the officers and others serving under you for many acts of courtesy and much information volunteered.

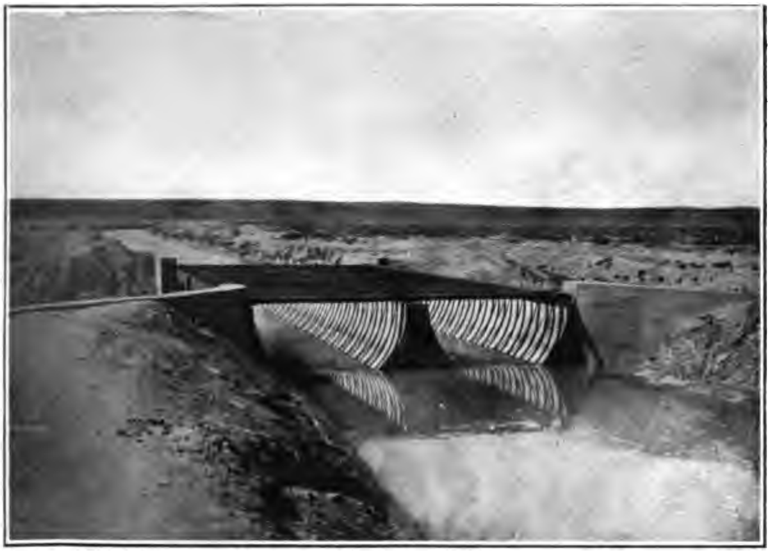
Respectfully submitted,
LLOYD P. THOMAS,
Superintendent Water Division No. 4.

Rock Springs, Wyoming, November 1, 1910.

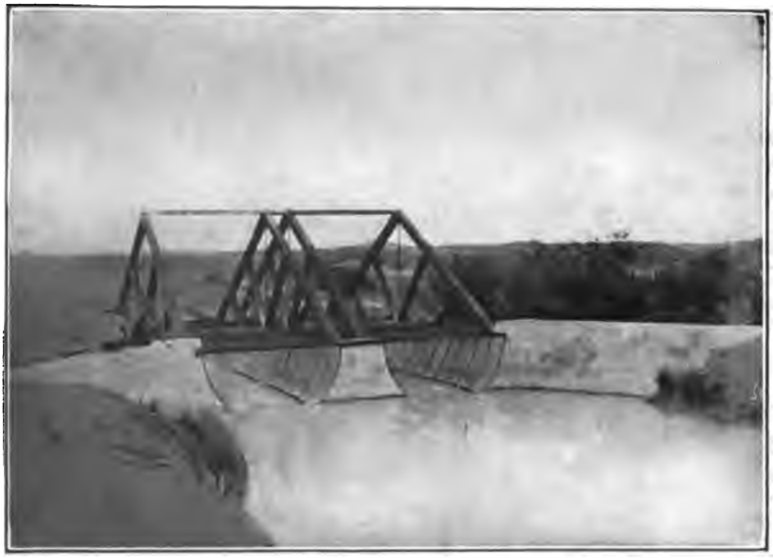


STEEL FLUME, SHELL CANAL, BIG HORN COUNTY

HAMMITT CANAL, BIG HORN COUNTY



CONCRETE FLUME, EDEN CANAL, SWEETWATER COUNTY



CONCRETE FLUME, EDEN CANAL, SWEETWATER COUNTY

Report of Progress Under the Carey Act

CHEYENNE, WYOMING, Sept., 10, 1910.

HON. CLARENCE T. JOHNSTON,
STATE ENGINEER,
Cheyenne, Wyoming.

DEAR SIR:

Since the passage of the Carey Act in 1894, the State Engineer has issued permits which are in good standing on this date, for the reclamation of 1,926,900 acres under Carey Act projects. These lands are covered under 57 different systems, of which 12, covering 246,500 acres, were completed prior to the time covered in this report. The systems completed prior to September 30, 1908, are as follows: Bench Canal, Big Horn County Canal, Boulder Canal, Cody Canal, Elk Canal, Hanover Canal, La Prele Canal, Pole Creek Canal, Sage Creek Canal, Sahara Canal, Sidon Canal, Wheatland Industrial Company's No. 1 Canal.

During the past two years, the construction of seven (7) Carey Act projects has been completed, covering an aggregate of 74,177.75 acres. Among these are included the following:

The Eden Irrigation and Land Company has completed the canal along the east side of Big Sandy River, and has constructed a reservoir which will enable them to irrigate 12,000 acres from the canal. Further development on this project will depend upon additional storage of the flood waters of Big and Little Sandy and East Fork Rivers. Plans are now under way for the construction of reservoirs for this purpose; 2,800 acres have been irrigated under the canal this year.

The James Lake Irrigation Company has completed its system near Laramie this year, and will be able to supply water to all lands included in the project next year. Owing to difficulties, not anticipated, it was unable to complete the supply ditch from the Little Laramie River to the reservoir in time to completely fill the reservoir this year. About 30,000 acres will be irrigated under this project.

The Lake View Irrigation Company has, during the past year, constructed the entire Hammitt Canal, and water is now running through the same for the purpose of getting the channel in shape for the delivery of a supply for all lands next year. About 8,000 acres will be irrigated under this canal from the South Fork of the Shoshone River.

The La Prele Ditch and Reservoir Company has completed the construction of the La Prele Dam, which will provide 29,120 acre feet of storage for lands under the La Prele Canal which was completed several years ago. Work has been partially completed on the extension of this system to cover lands lying on the west side of La Prele Creek, and also lands lying on the north side of the North Platte River near Douglas. The segregation of three other tracts has been applied for, it being proposed to reclaim these lands under plans which provide for the use of power from the La Prele Dam to raise water from the North Platte River to cover adjacent flats. When the entire system is completed as proposed, 36,219 acres can be irrigated from La Prele Creek, and 44,048 acres from water stored in the Pathfinder Reservoir.

The North Laramie Land Company has nearly completed its system of canals and reservoirs near Uva, covering 7,840 acres.

The Wyoming Land and Irrigation Company has completed the construction of the Shell Canal, and is now ready to deliver water from Shell Creek for the irrigation of 11,300 acres. The company is planning the construction of a reservoir to insure the water supply during the latter part of the irrigation season.

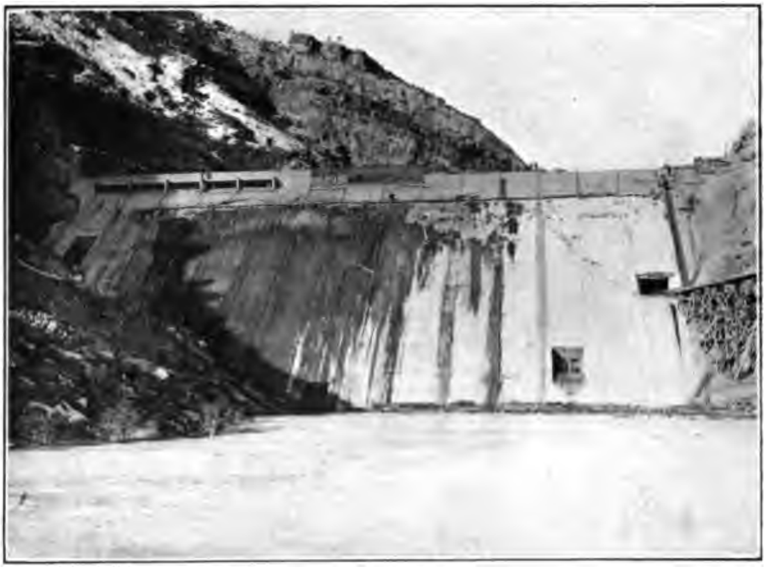
The Reynolds Ditch from North Casper Creek, and the Patrick Ditch from Rawhide Creek, covering 320 and 14.5 acres, respestively, of land segregated under the Carey Act, have been completed. The Department of the Interior is no longer encouraging the reclamation of such small tracts under the Carey Act, and there will probably be no further segregation of such small areas.

The Carey Act development of the last two years also includes a number of projects under which construction has been commenced but not completed. Such projects cover a total of 192,000 acres and include the following systems: Big Piney Canal, Bosler Canal, French Creek Canal, Red Lake Canal, and Wheatland Industrial Company's No. 2 Canal.

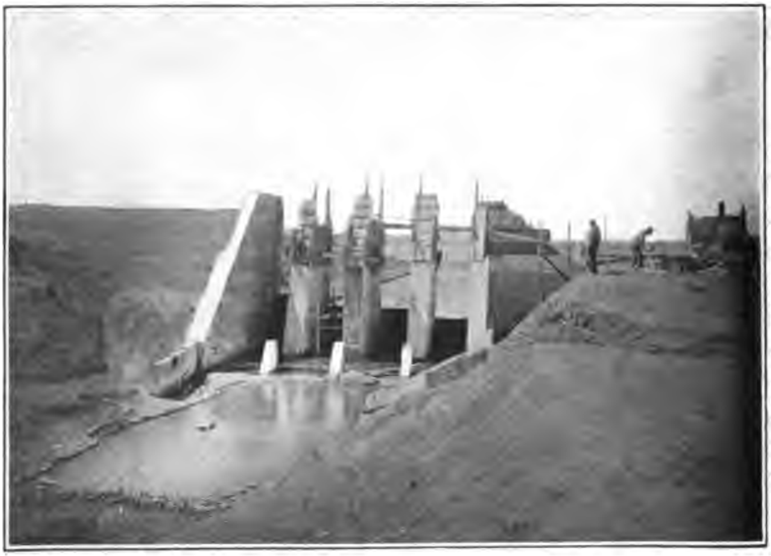
In addition to the projects mentioned above as being completed or under construction, there are 33 projects for which permits have been issued by this office which have not yet progressed as far as commencement of construction. These projects cover 1,400,000 acres in all. Under some of these projects the matter of obtaining the segregation of the lands to the State and of entering into contract with the construction agency, is proceeding as fast as might be anticipated under present conditions. The process is slow in all cases, involving as it does an examination of the project by departments in Washington which are unfamiliar with conditions on the ground, and which must

HEADWORKS, EDEN CANAL, SWEETWATER COUNTY

CONCRETE DROPS, EDEN CANAL SYSTEM, SWEETWATER COUNTY



LA PRELE DAM, CONVERSE COUNTY



OUTLET, JAMES LAKE RESERVOIR, ALBANY COUNTY be satisfied as to the water supply, aridity of the lands, and absence of coal, phosphate, oil, and waterpower sites. In some cases the approval of projects by the authorities in Washington is held up for a long period where it would seem that the proper development could be obtained more rapidly if more reliance were placed in the judgment of State authorities who are more familiar with existing conditions. The failure of the government departments to approve segregations under projects which the state officials know to be feasible and beneficial to the State is discouraging, both to the State and the investor. The State officials have spent years in the study of the problems involved and are fully aware of the responsibility placed upon them under the Carey Act. It appears that if the departments at Washington accepted the recommendations of these officials relative to such features of the project as the water supply, it is certain that the reclamation of our arid lands would proceed at a more satisfactory rate.

Other projects under which construction has not commenced are held up by failure of the construction agency to procure the necessary funds. In a few cases projects are being held as long as possible by promoters for speculative purposes. It is impossible to prevent this condition entirely though every effort is made to do so. The reclamation of several excellent tracts of land is being retarded until the projects can be placed in the hands of agencies able to proceed with construction

In addition to the systems described above as being under permits issued by the State Engineer, there are on file in this office applications for permit covering eight or nine projects. Approval of most of these is being delayed awaiting the filing of more complete plans, or awaiting the showing of requisite financial ability on the part of the applicants to carry through the project.

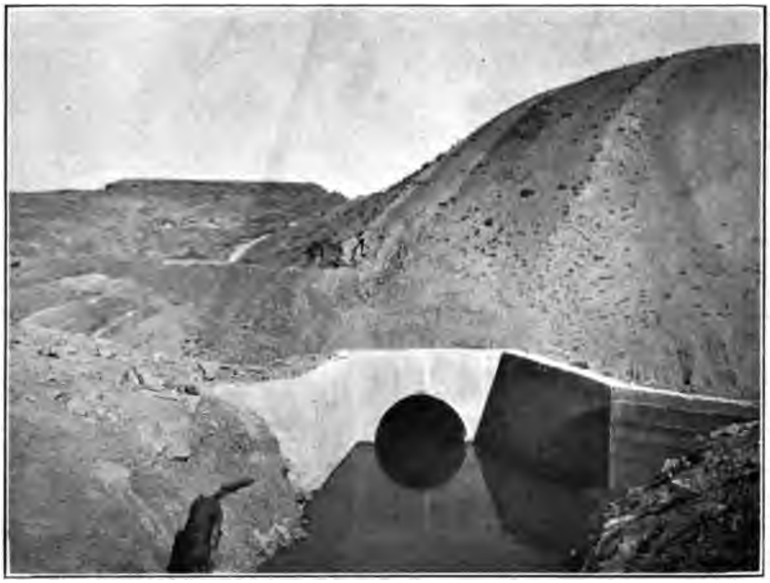
In inspecting projects in the state it has been found that in a few cases where settlers have taken up lands before the completion of the irrigation system, they have had to undergo the hardship of living at least a year without water with which to raise crops. While it has been the intention of the companies to have water ready for delivery on the dates represented to the settlers, yet unforeseen difficulties of one kind or another have made this impossible. The result is trouble for the company, and hard feeling on the part of the settler against the company and against the State, to which he looks for protection. It has been found that settlers under a new project, having numerous difficulties with which to contend, are prone to make complaints which are without foundation. But it is believed that much trouble would be eliminated for all concerned if the contract between the State Board of Land Commissioners and the construction company prohibited the settlement of lands until the irrigation system had been completed to such an extent that water could be delivered to that portion of the lands which it was desired to open for settlement. This provision also, though necessitating some delay in the return of money expended by the company, would tend to prevent the hasty construction of temporary structures for the purpose of supplying water on the date named in the contract with the settler. As a matter of protection to the settler the irrigation system should be inspected before any portion of the lands are thrown open to settlement, and all works necessary for the delievry of water to that unit of the lands should be completed in accordance with the approved plans.

Another provision which is now made in some cases, and which it is believed would in all cases be instrumental in making conditions more satisfactory during the first years of settlement, is that the contract of the company with the State Board should call for the construction of a complete lateral system by the company, which would bring water to each settler's tract of land. The company should be allowed to charge a higher price for this additional construction. From information obtained from parties who have been connected with the construction and settlement of projects in the state it would appear that both the construction company and the settler would be benefited by such a provision in the contract. It is difficult for a settler to construct a long lateral while attempting to build his house, barn and fences and plow his land, especially where he has no knowledge of irrigation methods, and no engineering assistance at hand.

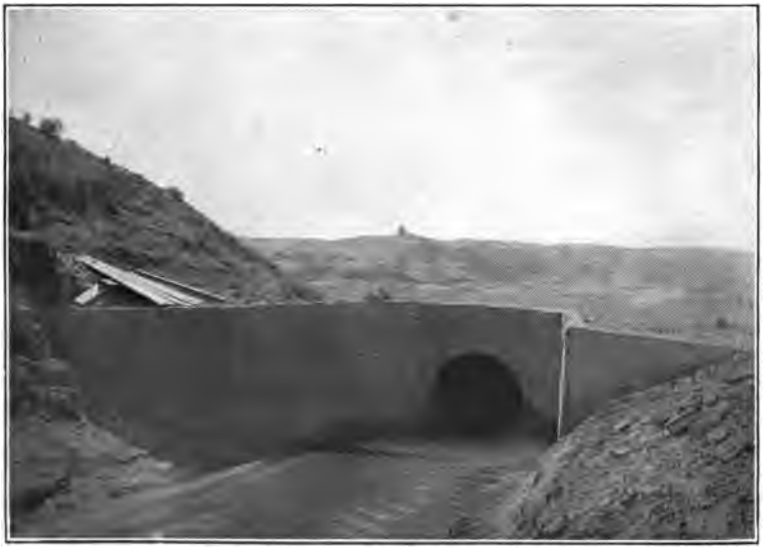
In connection with the inspection of Carey Act projects by this office, it is believed that there should be more rigid requirements relative to the filing of plans of structures for proposed systems when a project is submitted by the Board to the State Engineer for approval. When permits are issued for a canal, there is nothing filed in this office to indicate that the system is to be developed under the Carey Act, nor do these permits contain definite descriptions of the class of structures to be provided. Later, when called upon to report upon the feasibility of the project the State Engineer must base his judgment as to the character of the proposed work upon the specifications filed with the State Board of Land Commissioners. The writer believes that, in view of the responsibility which is assumed by the State in connection with a project of this kind, he should be furnished with a general plan of each structure which it is proposed to construct. While detail plans would be unnecessary, those filed should contain sufficient information to enable him to determine the permanency of the structure and whether or not it is adequate to supply the amount of water required. Plans

SHELL CANAL, BIG HORN COUNTY

TUNNEL LINED WITH CONCRETE, SHELL CANAL, BIG HORN COUNTY



CONCRETE PENSTOCK, SHELL CANAL, BIG HORN COUNTY



CONCRETE PENSTOCK FOR WOODEN PIPE, SHELL CANAL,
BIG HORN COUNTY

should be presented for the diversion works, and all flumes, siphons, tunnels, drops, and works of like character, and should be in such form that copies would be available for inspections in the field. By requiring the completion of the system in accordance with these approved plans before allowing the company to enter into contract with settlers, it seems certain that considerable trouble which has been experienced in the past could be avoided. While nearly all the construction under the Carey Act during the past two years is of a permanent character, yet in some cases temporary structures have been installed which will necessitate considerable maintenance expense and eventual replacement.

In conclusion it may be said that the progress of the Carey Act work during the past two years has been very satisfactory, and that the work accomplished has proved wonderfully beneficial to the State. The opportunity for further development under this act is still large, and awaits only capital and exploration in the field.

Respectfully submitted,

H. A. PATTEN,

Deputy State Engineer.

Some Difficulties Presented Under the Carey Act

To the on-looker it might appear that the State has only to say the word and the wheels of progress begin to turn, thereby placing the Carey Act in full operation and effect. That the process is not so easy can be attested by those who have held places on the State Board of Land Commissioners. There is one obstacle to development that should be removed without further parley or delay. The Carey Act was passed because it was assumed that the States could be entrusted with some responsibility. If the States cannot carry this law into effect without burdensome restrictions being applied by the federal government, the act is of but little value. The law reads as follows:

This act (28 Stat., 372-422) was a rider on an act of Congress entitled, "An act making appropriation for sundry civil expenses of the government for the fiscal year ending June 30th, 1895, and for other purposes," approved August 18th, 1894, and is as follows:

"Sec 4. That to aid the public land states in the reclamation of the desert lands therein, and the settlement, cultivation and sale thereof in small tracts to actual settlers, the Secretary of the Interior, with the approval of the President, be, and hereby is, authorized and empowered, upon proper application of the State, to contract and agree, from time to time, with each of the States in which there may be situated desert lands as defined by the act entitled 'An act to provide for the sale of desert lands in certain States and Territories,' approved March 3d, 1877, and the act amendatory thereof, approved March 3d, 1891, binding the United States to donate, grant and patent to the State free of cost for survey or price such desert lands, not exceeding one million acres in each State as the State may cause to be irrigated, reclaimed and occupied, and not less than twenty acres of each one hundred and sixty acre tract cultivated by actual settlers, within ten years next after the passage of this act, as thoroughly as is required of citizens who may enter under the said desert land law.

"Before the application of any State is allowed or any contract or agreement is executed or any segregation of any of the land from the public domain is ordered by the Secretary of the Interior, the State shall file a map of the said land proposed to be irrigated, which shall exhibit a plan showing the mode of the contemplated irrigation and which plan shall be sufficient to thoroughly irrigate and reclaim said land and prepare it to raise ordinary agricultural crops and shall also show the source of the water to be used for irrigation and reclamation, and the Secretary of the Interior may make necessary regulations for the reservation of the lands applied for by the States to date from the date of the filing of the map and plan of irrigation, but such reservation shall be of no force whatever if such map and plan of irrigation shall not be approved. That any State contracting under this section is hereby authorized to make all necessary contracts to cause the said lands to be reclaimed, and to induce their settlement and cultivation in accordance with and subject to the provisions of this section; but the State shall not be authoirzed to lease any of said lands or to use or dispose of the same in any way whatever, except to secure their reclamation, cultivation and settlement.

"As fast as any State may furnish satisfactory proof according to such rules and regulations as may be prescribed by the Secretary of the Interior, that any of said lands are irrigated, reclaimed and occupied by actual settlers, patents shall be issued to the State or its assigns for said lands so reclaimed and settled; Provided, That said State shall not sell or dispose of more than one hundred and sixty acres of said land to any one person, and any surplus of money derived by any State from the sale of said lands in excess of the cost of their reclamation shall be held as a trust fund for and be applied to the reclamation of other desert lands in such State. That to enable the Secretary of the Interior to examine any of the lands that may be selected under the provisions of this section, there is hereby appropriated out of any moneys in the treasury, not otherwise appropriated, one thousand dollars."

The above act was, by 29 Statutes, 413-434, approved June 11th, 1896, amended as follows:

"That under any law heretofore or hereafter enacted by any State, providing for the reclamation of arid lands, in pursuance and acceptance of the terms of the grant made in section four of an act entitled 'An act making appropriations for the sundry civil expenses of the government for the fiscal year ending June 30th, 1895,' approved August 18th, 1894, a lien or liens is hereby authorized to be created by the State to which such lands are granted and by no other authority whatever, and when created shall be valid on and against the separate legal subdivisions of land reclaimed, for the actual cost and necessary expenses of reclamation and reasonabe interest thereon from the date of reclamation until disposed of to actual settlers; and when an ample supply of water is actually furnished in a substantial ditch or canal, or by artesian wells or reservoirs, to reclaim a particular tract or tracts of such lands, then patents shall issue for the same to such State without regard to settlement or cultivation; Provided, That in no event, in no contingency, and under no circumstances shall the United States be in any manner directly or indirectly liable for any amount of any such lien or liability, in whole or in part."

The above act was further amended by 31 Statutes, 1138-1188, approved March 3d, 1901, as follows:

"Then ten years' period within which any State shall cause the lands applied for under said act to be irrigated and reclaimed, as provided for in said act as amended by the act of June 11th, 1896, shall be begun to run from the date of approval by the Secretary of the Interior of the State's application for the segregation of such lands; and if the State fails within said ten years to cause the whole or any part of the lands so segregated to be irrigated and reclaimed, the Secretary of the Interior may, in his discretion, continue said segregation for a period of not exceeding five years, or may, in his discretion, restore such lands to the public domain."

The national statutes evidently place the responsibility for success or failure of any project on the various States. The maps filed with the Secretary of the Interior have to show the plan of irrigation, the source of the water supply, etc. Every Western State has officers who understand irrigation. Every Western State has officers who know the discharge of streams, the volume of water that may be available for irrigation and all local conditions that may affect irrigation development. There is nothing in the national law that requires the Secretary of the Interior to assume any responsibility as to water supply. If there is any great responsibility resting on the States it relates to this question. It is impossible for any new man to go into a State and make a report as to the volume of water that may be available from any partiular source. Yet the Interior Department has recently inaugurated a system of inspection that has for its purpose a complete investigation of every plan that is submitted under the provisions of the Carey Act. Special agents are located in the various States whose duty it is to make investigations and file reports. The State officers have already made their reports on the projects referred to the special agents. The State has full responsibility under all laws, state and national. No company and no settler would ever hold the Interior Department responsible, should it be found that the water supply is inadequate. Regardless of this, the system is in effect. The special agents go to the State Engineers for much of their information. They make reports of great length and they discuss matters with which they cannot be familiar even had they been a resident of the State for ten years.

The result of this is that all applications under the Carey Act are indefinitely suspended in the General Land Office. The prospective investor has to wait. The State has to wait and the settler is discouraged and goes elsewhere. By the time the Interior Department finally acts, the money that was ready for investment has probably gone elsewhere and another delay is then necessary in order that the project may be financed. The State can do nothing. The Interior Department, with its endless rules and regulations and its army of employes must have its own way.

The condition resulting from this practice is rapidly bringing about a crisis. Wyoming has thus far not made a mistake in any of its reports as to water supply. This makes no difference with the Interior Department. It must consider the State officers as incompetent or dishonest until a report is received from one who is only responsible to the Interior Department. The special agent has no responsibility to the State, the settler or to the company proposing to carry on construction. The State officers, on the other hand, must stay with local development and shoulder all responsibility. The following letter was recently received from the Assistant Secretary of the Interior, which explains fully the attitude of that department:

DEPARTMENT OF THE INTERIOR,
GENERAL LAND OFFICE.

WASHINGTON, September 12, 1910.

Carey Act: Calling Attention to the Requirements of Regulations.

COMMISSIONER OF PUBLIC LANDS,
Cheyenne, Wyoming.

SIR:

An inspector of the Department, in a letter of recent date, addressed to the Secretary, stated that, in a number of applications for segregation, filed under the Carey Act, which he had been requested to make a field examination of, this office had not furnished him with a copy of the report of the State Engineer as to the amount of water actually available for the reclamation of the lands, together with all data obtainable by the State relative thereto, which will enable him to make an intelligent report on the application, and the Department to pass upon the question as to the water supply for the reclamation of the lands, as required by Section 3 of the circular of April 9, 1909.

The Secretary, on September 1, 1910, called this matter to my attention and directed that this requirement of the regulations be strictly enforced. You will, therefore, before the filing of any applications by the State, see that this requirement of the regulations is fully complied with, thereby expediting the examination in the field and avoiding any delay in the examination by compelling this office to take action loking toward the enforcement of this requirement.

Very respectfully,
S. V. PROUDFIT,
Assistant Commissioner.

BOARD OF LAW REVIEW,
By W. B. Pugh.

Now presume that the State were to furnish the department information as to the flow of streams. This would go into the records of the departments at Washington and furnish these with data that the State has collected at its own expense, and nothing would be gained. The special agents do not know conditions. They do not know where our measuring stations have been maintained on the various streams. They do not know what can be done in an agricultural way in the various parts of the State. They cannot say even with what records they can study, as to the value or extent of prior claims to the use of water. Who, in the departments at Washington, would care to sign a statement to the effect that an acre-foot of water would be sufficient for the lands along Sage Creek? Who would care to say that even ten acre-feet of water per annum would be ample? If any federal officer did assume to say what volume would be ample would any person ever know of it except the Secretary of the Interior and a few of the officers of his department? Would the settler, the State or the construction agency ever care to inquire what figures such an officer would select?

The Commissioner of Public Lands referred the letter from the Assistant Secretary to the State Engineer, who wrote the following reply:

CHEYENNE, WYOMING, Sept. 17, 1910.

THE HONORABLE STATE BOARD OF LAND COMMISSIONERS,
Cheyenne, Wyoming.

SIRS:

This office has received from the Commissioner of Public Lands a copy of a letter from the Assistant Commissioner of the General Land Office relating to reports relative to water supply for the various Carey Act projects in Wyoming. I cannot understand the purpose or meaning of the letter from the Assistant Commissioner. He refers to a report from an inspector of his department which states that "in a number of applications for segregation, filed under the Carey Act, which he had been requested to make a field examination of, this office had not furnished him with a copy of the report of the State Engineer as to the amount of water actually available for the reclamation of the lands," etc. "This office" evidently refers to the General Land Office. If that office has failed to furnish the inspector with a copy of the report of the State Engineer, I do not see why the State of Wyoming should be held responsible for this lack of co-operation. There has been a report of the State Engineer with every request and proposal under the provisions of the Carey Act that has gone to Washington. What are we to do under these circumstances? I have studied the national statutes covering the Carey Act very carefully and see nothing therein that would indicate that the State had to make any report as to water supply. What responsibility has the State in this work? When the State is satisfied as to the water supply from any source is it a matter of any great concern to the Interior Department if the State makes an error? Has Wyoming thus far made an error in any reports it has made as to water supply? Do the special agents know enough about conditions in Wyoming to enable them to prepare reports that will safely guide the officers of the Interior Department? Is there any reason why the Interior Department should have more respect for a report prepared by a special agent than it has for a report from the State? Are these special agents better qualified to give unbiased judgment as to conditions than are the officers of the State who have had over twenty-five years of experience and who know every stream? The State can certainly have no reason for misleading the Interior Department. If the State makes an error in estimating the volume of water that may be available, it is a rather serious thing, because the company performing construction must be a domestic corporation and the people who settle are to be citizens of this commonwealth. The State officers, if they make an error, are held accountable and they realize their situation. It makes no difference how the Interior Department acts on an application under the Carey Act, it is not held responsible for errors in estimates as to water supply and it would not assume this responsibility, I would say, if the State were to take the position that it will no longer be responsible to either the settler or the company, under the Carey Act, but that it will shift all of this on the officers of the Interior Department.

I take the position that when the Interior Department gets into questions of water supply, it is trespassing beyond the limitations of the law. It is meddling with matters that cannot intelligently be taken up by that department. Its offiecrs do not know much about our streams. It cannot know about return waters, the experience of water users in the same locality, the character of the soil in so far as demand for water is concerned, the decrease in such demand with elevation and with changing climatic conditions, etc. Figures as to stream discharge are dangerous where officers know nothing else. With men who do not know conditions, measurements on "Sage Creek" indicate fully and finally the discharge of that stream. These measurements may be taken near the mouth of the stream. They may be taken within a mile of its source. They may be taken above every important tributary, yet Sage Creek is Sage Creek. I can take the measurements of the Laramie River as recorded in this office and show by figures to the satisfaction of the best special agent that the Interior Department can furnish, that this river will supply water for twice the area now under irrigation. I have a report in my office now, prepared by one of the leading irrigation engineers of the country which would indicate that the river would do more. We know the figures here, but we also know the stream and we know wherein lies the delusion.

The State makes its report as to water supply under the various Carey Act projects. These reports go to Washington. Then the officers at Washington, without any direction under the law, send out a special agent of unknown ability to check up the State officers. This implies that the officers of the State are either dishonest or incompetent. Such methods of transacting business can only be construed in one way. If the State officers of Wyoming are both competent and honest, their reports should be accepted at par. The responsibility for carrying every Carey Act project to a successful conclusion rests upon them. The Interior Department has never yet been charged with any responsibility in this direction, either by the settler or by the construction agency or by the State. Failures in Wyoming have never resulted because of an inadequate water supply.

This office has gone as far as it can. We cannot furnish detailed figures to the Interior Department as to the knowledge we have of streams. We cannot take up these matters with special agents. If the special agents have ability enough to satisfy themselves as to the truth in a month or so, when we have taken twenty-five years to perfect our knowledge of conditions, well and good. If they make adverse reports, we must suffer the results, thus throwing some real responsibility on the Interior Department. If such a practice is to be made the regular order, we should know it. Possibly Congress can be induced to place on the statutes some directions which will prevent the Interior Department doing things which it now undertakes without authority of law.

Respectfully,
CLARENCE T. JOHNSTON,
State Engineer.

Reclamation of the Ceded Lands of the Shoshone Indian Reservation.

The reports of 1905-1906 and 1907-1908 deal fully with the preliminary steps that were taken to bring about the reclamation of these lands. Eery detail of the business between the State, the Interior Department and the Wyoming Central Irrigation Company has been made public in these reports. It is the purpose of this report to record what has taken place in the last two years. From the beginning the State has felt that a grave mistake was made when Congress opened these lands subject to the Homestead Act only. The lands are not capable of supporting a population without irrigation. Irrigation is impossible, except in a very small way, except by the construction of a large system of canals and storage reservoirs. The government should have prepared the way for development. The former Commissioner of Indian Affairs could see only the money that was due the Indians. He did not consider the welfare of the prospective white settler and he did not realize that only by making conditions such that the white man could maintain himself could the lands be occupied and the financial interests of the Indians be protected. Fortunately the Indian Rights Association and the present Indian Administration have taken a broader view of the situation.

The Wyoming Central Irrigation Company indicated no signs of life in so far as the beginning of construction was concerned during the early spring months of 1909. The State Engineer finally notified the company that unless work was begun at once, the rights of the company would be cancelled. The agents of the company asked for a conference which was granted. This took place at Cheyenne on May 1st, 1909. The company maintained that it was willing to proceed when the settlers under the proposed Wyoming canal would indicate their interest in the work and show their good faith by entering into contract for water rights. A supplemental agreement was drawn up which reads as follows:

DINWOODIE LAKE, FREMONT COUNTY

SULPHUR SPRINGS, THERMOPOLIS

AMENDMENT OF ACCEPTED BID ON WHICH THE PERMITS ISSUED TO THE WYOMING CENTRAL IRRIGATION COMPANY ARE BASED AND CONDITIONED, AS THE ACCEPTED BID APPEARS OF RECORD ON PAGES 70 TO 75, BOOK 3, MISCELLANEOUS RECORDS, STATE ENGINEER'S OFFICE, CHEYENNE, WYOMING.

WHEREAS, The Wyoming Central Irrigation company, after the acceptance of its bid for the construction of the irrigation system planned and proposed by the State Engineer of Wyoming, and approved by the Interior Department of the National Government, for the reclamation of the ceded portion of the Shoshone Reservation, Fremont County, State of Wyoming, did in good faith on October 10th, 1906, proceed with the construction of said irrigation system under the provisions of its said accepted bid and the water right permits issued to it numbered 7300; 7301; 7302, 7303; 7304 and 874R.; 876 R.; 877R.; and 878 R., and did, within six months thereafter, provide a canal for the irrigation of land near Riverton for the cropping season of 1907; and continued its operation during the year 1907 in surveying and other preliminary work looking to the construction of all of said irrigation system; and,

WHEREAS, The said company was compelled to suspend work owing to litigation which was unforeseen, but which has resulted in the settlement of questions which, it is believed, will forestall any further difficulties of the same kind, and

WHEREAS, The said company has resumed construction within a reasonable time after a favorable decision had been rendered by the court, and actual work being now in progress on a scale commensurate with the dimensions of the undertaking, and

WHEREAS, Time is one of the important elements in a development work of this kind, because the State is holding the water supply for the lands designated in the permits issued the company, and unless conditions are favorable for applying this water to a beneficial use on these lands at an early date, the supply should be diverted to regions where progress will be more rapid, and

WHEREAS,. The settlers now on the ground, the State of Wyoming, and the officers of the Wyoming Central Irrigation Company, are desirous of having said land, and all of it, irrigated and reclaimed in small tracts by bona fide homesteaders and industrious farmers, and thereby create rapidly a large and populous farming community, building up numerous towns and and develop all other numerous and varied surrounding resources, and

WHEREAS, Experience has shown that for the accomplishment of these last said purposes it is necessary to place said project upon a footing where this development may work in harmony to a common end, and

WHEREAS, The lands under the irrigation system of the Wyoming Central Irrigation Company are desert in character and not fit for habitation except when developed under irrigation, and as it is necessary for both the settler and the company to co-operate and perform work which will lead to rapid growth and increase in land values, it is important that plans be made and adopted which will make it obligatory for every interest to perform its full quota of the necessary labor and to shoulder its share of responsibility, and

WHEREAS, It is not deemed fair by the State to permit those who have obtained their patents and moved away to profit at the expense of the settler on the ground, for the settler who improves his lands wishes neighbors and hopes to build up a community about him which will gradually be provided with all the conveniences of modern rural life,

NOW THEREFORE, In consideration of the fact that the Wyoming Central Irrigation Company has resumed construction work upon said irrigation system and has planned, and from now on intends to prosecute such construction in a way commensurate with the magnitude of the project and in accordance with the terms of its said bid, by and with the consent and agreement of the State Engineer of the State of Wyoming and the Wyoming Central Irrigation Company, Article VI of said bid as recorded on page 72 of Book 3, Miscellaneous Records, of State Engineer's Office is hereby amended so as to read and be in full force and effect from and after the first day of May, A. D., 1909, as follows:

Sixth. The term, "water rights" employed herein relates to an interest, as hereinbefore limited, in the irrigation works and in the permits held by the Company relating thereto in the proportion that the area of irrigable land held by the settler bears to the entire area of irrigable land under the whole system—it being understood that the final water right goes direct from the State to the settler, or to such organization of settlers as may be provided for the government of the system of irrigation.

The Company will sell to any and all settlers upon said lands permanent and perpetual water rights as aforesaid in graded prices therefore, at the option of the settler, subject to the limitations herein established, as follows:

Grade No. 1. When such water right is fully paid for by the settler at the date of contract therefor, the sum of twenty dollars ($20.00) per acre. This rate or grade to expire and become null and void from and after the 30th day of June, A. D., 1909.

Grade No. 2. When such water right is contracted for on terms of a partial payment down and the balance in five annual installments, the sum of twenty-five dollars ($25.00) per acre, with interest thereon at the rate of six per cent per annum. This rate or grade to expire and become null and void from and after the 31st day of December, A. D., 1909.

Grade No. 3. When such water right is contracted for on terms of a part payment down and the balance in ten annual payments, the sum of thirty dollars ($30.00) per acre, with interest thereon at six per cent per annum. This rate shall be in full force and effect permanently and from and after the 30th day of June, A. D., 1910 it shall be the only rate that will not have expired.

Grade No. 4. When such water right is contracted for on terms of five equal annual installments without interest, the sum of thirty ($30.00) dollars per acre. This rate or grade to expire and become null and void from and after the 30th day of June, A. D., 1909.

Grade No. 5. When such water right is contracted for on terms of ten equal annual installments without interest, the sum of thirty-eight ($38.00) dollars per acre. This rate or grade to expire and become null and void from and after the 30th day of June, A. D., 1910.

Deferred payments may be made at any time the purchaser may desire, thereby stopping interest charges. Where installments, not bearing interest, are paid before they are due, a discount at the rate of five per cent per annum will be given for the time each annual pament so paid still has to run.

When the Company shall have finished canals (and reservoirs where necessary) to serve any tract or tracts of land, it shall promptly notify the State Engineer that it is ready to furnish water for such land. The settler on any such land, which has been therefore entered for settlement, shall be permitted, at any time within one year from the date such notice is served on the State Engineer, to enter into contract with the Company for water rights for all of the irrigable lands of his holdings, at any rate in effect at the time he applies for such water rights and seeks to enter into contract therefor with the Company. Unless the State Engineer finds, upon investigation, that such notice was not based on fact, all settlers upon such land, failing to enter into contract within a year following the service of such notice upon the State Engineer, shall, upon the expiration of the year, be required to pay for water rights, an advance of five dollars per acre per year, for each year's delay in contracting for water rights for such land, over and above the rate or rates which may be in force at the time when the settler finally applies for water rights and seeks to enter into contract therefor with the Company. The settler upon land which has not been filed on at the time such notice of completion shall have been served on the State Engineer, shall be permitted at any time within sixty days from the date of the original filing on such land, to enter into contract for water rights under such rate or rates as may be in force at the time he applies for such water rights and seeks to enter into contract therefor with the Company, and unless the State Engineer finds, upon investigation, that such notice was not based on fact, all settlers upon such land failing to enter into contract within sixty days following the date of the original filing on such land, shall, upon the expiration of such sixty days, be required to pay for water rights, an advance of five dollars per acre for such delay in contracting for water rights for such land, over and above the rate or rates which may be in force at the time when the settler finally applies for such water right and seeks to enter into contract therefor with the Company, and a further advance of five dollars per acre per year for each year's additional delay in contracting for water rights for such land over and above the sixty days allowed as aforesaid within which to contract at the rate or rates in force at the time when the settler seeks to enter into contract therefor. In case of dispute between the settler and the Company, the decision of the State Engineer in interpreting the rate at which the settler is entitled to contract for water rights, or as to the area of irrigable land in various holdings, shall be final and binding upon both parties.

Should it occur that through tardiness of the settler or settlers on any land, the rate for water on such land shall have advanced to fifty dollars per acre, the State will, at that time, waive all right, which it may have, to regulate the rate, and leave it with the Company and the settler to reach an agreement relating thereto, providing that the rate shall not be less than fifty dollars per acre, after it has once reached that figure under the conditions set forth herein.

No settler shall be allowed to contract for water for less than all of the irrigable land of his holdings, and where any settler shall, for the purpose of avoiding or evading the requirement which stipulates that water rights shall be obtained for all of the irrigable lands of his holdings, convey any part of his land to another party, who will not immediately enter into contract for water rights, then upon such condition arising, the Company shall be at liberty to charge any rate that the Company may fix for water rights, not exceeding in any case fifty dollars per acre, ten per cent down and balance in ten equal annual installments with interest at six per cent, except where the rate on such land, by reason of delay, has already advanced to fifty dollars per acre, in which event, there shall be no limit on the rate which the Company may charge."

Article Eleven of the original accepted bid, as recorded on page 74, Book 3, Miscellaneous Records, of the State Engineer's office, is hereby amended by changing the last clause of the first paragraph of said section to read, "to do either of the three following things, to-wit:" and by the insertion of the following paragraph after the third paragraph of said section.

"Third. Or the Company may organize an operating company independent of the Wyoming Central Irrigation Company, which shall at once and for all time manage and operate the irrigation system. As rapidly as contracts are made with settlers the interest represented thereby shall attach to the operating company and stock shall be issued therefor, and until sixty-five per cent of the total payment under such contract is paid, the Wyoming Central Irrigation Company shall vote such stock and the Wyoming Central Irrigation Company shall vote no stock which does not represent an actual contract for water rights. When seventy-five per cent of the total irrigable area under the entire system has water contracted for, each settler who shall have paid sixty-five per cent (65%) of the total amount of money due the Company shall receive his stock, which shall be in proportion to the area of irrigable lands covered by his contract to the total irrigable area under the entire system. If, in the judgment of the State Engineer, conditions should so warrant, the Wyoming Central Irrigation Company may hold all the stock of the operating company until ninety per cent (90%) of the total irrigable area under the entire system has water rights contracted for. Immediately, thereafter, in such case, the Wyoming Central Irrigation Company shall issue to all settlers who have paid sixty-five per cent (65%) of their total payments under their contracts, the stock due them in the operating company."

Notice shall be sent by the State Engineer to all parties who may have filed on lands under the canals of the Wyoming Central Irrigation Company as to the rates that will hereafter prevail for water rights, on the 1st day of May, 1909. The said Company shall furnish the State Engineer with a list of such parties together with their postoffice addresses. Said notices shall set forth the amendments made to Article Six of the original contract as set forth herein and explain the necessity therefor, both for the protection of the settlers and the Company.

IN WITNESS WHEREOF, the Wyoming Central Irrigation Company has caused its corporate name and seal to be hereunto affixed by its President and Secretary this 1st day of May, A. D., 1909.

By JOY MORTON, President.
And EDWARD H. STEARNS, Secretary.

[SEAL.]

CHEYENNE, WYOMING, May 1st, 1909.

STATE OF WYOMING, }
COUNTY OF LARAMIE, } ss.

I, Clarence T. Johnston, State Engineer within and for the State aforesaid, do hereby certify that on this day the officers of the Wyoming Central Irrigation Company met in conference with the Governor, the Attorney General and the State Engineer, at Cheyenne, and upon agreement as to plans that should be followed to bring about speedy construction of irrigation works, the foregoing amendment was accepted; the agreement as to plans for construction is to be drawn up in full and recorded in the office of the State Engineer; that upon recommendation of the State Engineer, the operation of the terms of this amendment as the same may apply to any particular tract shall be delayed until September 1st, 1909. The said amendments are therefore approved this day and made a part of the original bid and recorded in the office of the State Engineer.

WITNESS MY HAND this first day of May, A. D., 1909.

CLARENCE T. JOHNSTON, State Engineer.

Approved:

BRYANT B. BROOKS, Governor of Wyoming.
W. E. MULLEN, Attorney General.

The amendment to the original accepted bid, as herein modified, is hereby accepted by the Wyoming Central Irrigation Company.

WYOMING CENTRAL IRRIGATION COMPANY.
JOY MORTON, President.
EDWARD H. STEARNS, Secretary.

THE STATE OF WYOMING, }
STATE ENGINEER'S OFFICE. } ss.

This instrument was received and filed for record on the first day of May, A. D., 1909, at four o'clock p. m., and duly recorded in Book Three of Miscellaneous Records, on pages 335, 336, 337, 338, 339, 340 and 341.

CLARENCE T. JOHNSTON, State Engineer.

SUPPLEMENTAL AGREEMENT RELATING TO ORIGINAL ACCEPTED BID.

At a conference held at Cheyenne, Wyoming, this 1st day of May, 1909, between the officers of the Wyoming Central Irrigation Company and the Governor of the State of Wyoming, the Attorney General of the State of Wyoming and the State Engineer, the general situation with respect to the settlement of the ceded portion of the Shoshone Indian Reservation and the construction of an irrigation system for the reclamation of the same was fully discussed, and it became apparent that the success of such undertaking was dependent upon the disposition of the settlers to contract with the company for the purpose of water rights and that unlike irrigation projects under the Carey Act or under the National Reclamation Act, there was no method provided by which the settler could be compelled to contract for water and that until contracts for the purpose of water rights were obtained in an amount sufficient to furnish a basis for the issuance of the bonds, the Company was not fully justified in proceeding with the work of further construction.

It was therefore agreed between the Wyoming Central Irrigation Company and the State Officers, that

First. The State Engineer will not require the Company to begin the work of excavation on its Wyoming Canal as located by the Arnold Company survey until the owners and entrymen of at least forty per cent (40%) of the land lying under said canal and west of the west line of Range Four (4) in the ceded portion of the Shoshone Indian Reservation, which has been entered for settlement prior to May 1st, 1909, shall have signed and executed contracts with the Wyoming Central Irrigation Company for the purchase of water rights for their land. Such contracts shall be made in accordance with the terms of the Company's proposal as amended by the Amendment, approved and recorded May 1st, 1909. Contracts may be made at the Twenty ($20.00) Dollar cash rate at any time prior to the expiration of said rate as provided by the terms of said amendment, and the purchase price of Twenty ($20.00) Dollars per acre together with the contract duly executed by the settler and the Company shall be placed in escrow in accordance with the terms of the Company's original proposal. Where contracts are entered into on terms of a partial payment down and the balance is deferred payments, no cash payment shall be required from the entrymen who have proved up and secured final receipt until water is ready for delivery. Entrymen who have not proved up on their land and secured final receipt shall be required to deposit the first payment required in accordance with the terms of such contracts together with the contract duly executed by such entrymen and the Company in escrow in accordance with the terms of the Company's original proposal. All payments deposited in escrow shall be forfeited in case of relinquishment, unless the burdens of such contract are assumed or a new contract with the company entered into on similar terms by the new entrymen at the time of making his entry.

Second. The Company shall give to the State of Wyoming a satisfactory bond in the sum of Fifty Thousand ($50,000.00) Dollars, guaranteeing that it will begin the work of excavation on its Wyoming Canal within ninety (90) days after the owners and entrymen on forty per cent (40%) of the land entered prior to

May 1st, 1909, lying under said canal and west of the west line of Range Four (4) in the ceded portion of the Shoshone Indian Reservation shall have signed and executed contracts for the purchase of water rights from the Wyoming Central Irrigation Company as hereinbefore provided, and will complete such canal to the extent necessary to fill the Pilot Butte Reservoir within nine (9) months from the expiration of said ninety (90) days.

Third. The State Engineer shall immediately send out notices to all settlers and entrymen under the Company's irrigation system, advising them of the terms of this agreement and that the speedy construction of said canal depends upon their cooperation by immediately entering into contracts with the Company for water rights.

Fourth. The company shall immediately place competent agents in the field and endeavor to the best of its ability to secure such contracts and shall use its best endeavors to secure contracts from all such entrymen who can be located anywhere in the United States and shall immediately notify the State Engineer when contracts shall have been obtained from the owners and entrymen of forty per cent (40%) of the land entered prior to May 1st, 1909, lying under said canal and west of the west line of Range Four (4) as hereinbefore referred to.

Fifth. The original accepted bid of the Company as recorded on Page 74, Book 3, Miscellaneous Records of the State Engineer's office, is further amended by permitting the Company to charge an assessment for maintenance under all contracts hereafter entered into between the Company and the settler of not exceeding Forty ($40) dollars per annum for each water right contracted for instead of the sum of Sixteen ($16.00) Dollars as heretofore proposed under such original bid or proposal, and provided such assessment shall not exceed the actual and necessary amount expended by the Company during such current year.

IN WITNESS WHEREOF, The Wyoming Central Irrgation Company has executed this agreement by its President and Secretary and the State Engineer of Wyoming, and the Governor and the Attorney General of the State of Wyoming have approved this agreement and the same has been made a part of the original bid or proposal of said Company and recorded in the office of the State Engineer this 1st day of May, A. D. 1909.

WYOMINR CENTRAL IRRIGATION COMPANY,
JOY MORTON, President.
EDWARD H. STEARNS, Secretary.

CLARENCE T. JOHNSTON, State Engineer.

Approved:
B. B. BROOKS, Governor of Wyoming.
W. E. MULLEN, Attorney General.

STATE OF WYOMING, } ss.
STATE ENGINEER'S OFFICE. }

This instrument was received and filed for record on the first day of May, A. D. 1909, at four o'clock p. m., and duly recorded in Book Three of Miscellaneous Records, on pages 342, 343 and 344. CLARENCE T. JOHNSTON, State Engineer.

The remainder of the year was spent in trying to get the necessary signatures to contracts. This work was practically finished by the first of January, 1910. However, there were a number of causes for delay and the State did not finally notify the company that the 40% had been obtained until the....day of......................., 1910.

Under the agreement of May 1st, 1909, work had to begin within 90 days from the signing of the 40%. The company was notified that the 90 days expired on the 28th day of July, 1910.

In the meantime the State Engineer had made a number of trips east to find whether or not other capital could be interested in the project. All who were approached took the same position. They held that they were satisfied that the project is meritorious, but that an investment was not safe unless the provisions of the Carey Act could be applied. There seemed to be no relief, if the Wyoming Central Irrigation Company had to be turned out. It seemed better to get matters in shape so that this company could proceed than to clear the field and have no assurance that the big works would ever be built. It was decided to take the matter up with the Indian Office and then to go to Congress for some remedial legislation. A bill was already before Congress which provided that the State could withdraw lands for a year subject to investigation. This act was intended to protect large areas during the time surveys were in progress. The act was finally approved on March 15, 1910. In the meantime a rider was placed on the Indian Appropriation Bill which provided that the provisions of the Carey Act should apply to the ceded lands of the Shoshone Indian Reservation. This bill was approved on April 4th, 1910. This legislation placed the Wyoming Cental Irrigation Company in position where it no longer had an excuse for delay. It also placed the State in position where it could secure other capital regardless of the position the company might take.

Early in May, 1910, the officers of the Company came to Cheyenne to make the necessary arrangements for taking up the work under the provisions of the Carey Act. At the same time the original contracts with the State Engineer, relating to lands in private possession, were modified by the following contract:

SUPPLEMENTAL AGREEMENT BETWEEN THE STATE OF WYOMING AND THE WYOMING CENTRAL IRRIGATION COMPANY.

WHEREAS, By an Act of Congress approved April 4th, 1910, the provisions of the Carey Act have been applied to the vacant ceded lands of the Shoshone Indian Reservation in Fermont County, Wyoming, and

WHEREAS, All of such vacant land, lying under the projected canal system for which permits have been issued to the Wyoming Central Irrigation Company, has been temporarily withdrawn by the State of Wyoming, under an Act of Congress approved March 15th, 1910, for the purpose of reclamation under the provisions of the Carey Act, and

WHEREAS, The said Wyoming Central Irrigation Company has demonstrated to the satisfaction of the State Board of Land Commissioners that it is prepared to proceed with the construction of the said canals and reservoirs, and

WHEREAS, There are some 80,000 acres of land already in private possession to which the provisions of the Carey Act cannot apply, and

WHEREAS, The permits issued to the said company by the State Engineer and the contracts duly signed and recorded in his office, upon which said permits are based, will all be protected by the commencement of active construction on or before the 28th day of July, 1910.

IT IS THEREFORE AGREED, That all lands that are now withdrawn under the provisions of the Carey Act, or that may hereafter be withdrawn under the provisions of said Act, shall be reclaimed under the conditions of the said permits, the plans and specifications required by the State Board of Land Commissioners and approved by the State Engineer, and the contract between the said company and the said State Board of Land Commissioners; and that the said lands be eliminated from the conditions and provisions of the contracts between the State Engineer and the Wyoming Central Irrigation Company, approved August 7th, 1906, and May 1st, 1909, and that only the lands in private possession be reclaimed under the conditions of the said contracts last named, and

IT IS FURTHER AGREED, That the said Wyoming Central Irrigation Company shall organize an operating company as set forth in the contract approved May 1st, 1909, which shall be known as the Bonneville Canal Company and embrace water users under the entire system, whether the lands may have been entered under the provisions of the Homestead Act, the Carey Act by grant or through the operation of any other federal land law; and that the plans for such organization, as may be approved by the State Board of Land Commissioners, be attached hereto (marked "Exhibit A") and be made a part of this agreement.

IT IS FURTHER AGREED, That the form of contract heretofore approved between said Irrigation Company and the settler shall be modified so as to provide for the sale of shares in such operating company instead of interests in said system, but the terms and conditions of said contract shall remain substantially the same as heretofore; providing that settlers who have heretofore bought or contracted for proportionate interests or shares in said system may at their option receive shares in said operating company, upon conveying to said operating company their proportionate interests or shares in said system, and upon conveying to said operating company any rights of way over their land not theretofore secured reasonably necessary for the construction of said system, thereby entitling such settlers to forty cent maintenance and the construction of laterals to their land according to the provisions of the Carey Act contract to be entered into between the Wyoming Central Irrigation Company and the State. And the provisions of the original agreement between the State of Wyoming and the Wyoming Central Irrigation Company of August 7th, 1906, and as amended by said agreement of May 1st, 1909, as restricted herein to lands in private possession, shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have subscribed their names this seventeenth day of May, 1910.

WYOMING CENTRAL IRRIGATION COMPANY.
By JOY MORTON, President.
Attest: EDWARD H. STEARNS, Secretary.

CLARENCE T. JOHNSTON, State Engineer.
Approved and Witnessed by
BRYANT B. BROOKS, Governor of Wyoming.
W. E. MULLEN, Attorney General.

["Exhibit A."]

CERTIFICATE OF INCORPORATION OF BONNEVILLE CANAL COMPANY.

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned citizens of the United States, over the age of twenty-one years, do hereby associate together to create a corporation under and by authority of the general incorporation laws of the State of Wyoming, and that the objects and purposes of said corporation are as hereinafter set forth.

ARTICLE I.

Corporate Name.

The corporate name of said company by which it shall be known, and under which it shall transact business is, Bonneville Canal Company.

ARTICLE II.

Duration.

The term of existence of said company shall be fifty years (50) from the date of filing this certificate of incorporation in the office of the Secretary of State of Wyoming.

ARTICLE III.

Purpose.

Said corporation is organized for the main purpose of aiding the industrial or productive interest of the country, and in furtherance of such main purpose said corporation is organized for the express purpose of acquiring title to all those certain permits, water appropriations, and a certain irrigation system known as the Bonneville Canal System, now owned by the Wyoming Central Irrigation Company, with the intent to hold, operate, use and dispose of the said water appropriations, irrigation system, works, and any and all rights, franchises, property and privileges, incidental, accompanying, connected with, or appurtenant thereto, for the mutual use and benefit of any and all purchasers, holders and owners of the shares of said corporation.

And in futherance of its main purpose the said corporation may engage in such business transactions as will promote the success of said main purpose, and may do any and all things, which in the judgment of its Board of Directors, are proper to be done in the name of said corporation, and which are not expressly prohibited by the laws of Wyoming.

ARTICLE IV.

Place of Business.

The principal office and place of business of the company shall be located in the Town of Riverton, Fremont County, Wyoming, but the said company may establish offices and transact business in such other towns, cities and counties in said state as the nature and progress of its said business shall from time to time render necessary or desirable.

ARTICLE V.

Capital Stock.

The capital stock of this corporation shall be $424,400, divided into four hundred and twenty-four thousand four hundred (424,400) shares of the par value of One Dollar per share.

ARTICLE VI.

Directors.

The number of directors of said corporation, who shall manage its affairs, shall be five (5), and the names of the directors who shall manage the affairs of said corporation for the first year of its existence are Joy Morton, Mark Morton, Edward H. Stearns, James Allison, M. C. McGiffin.

ARTICLE VII.

By-Laws.

The shareholders of the company, and the directors thereof in case the shareholders do not act, shall have power to make by-laws and other rules and regulations, such as they shall deem proper, for the management, control and operation of the business affairs and property of the company, including the employment and duties of all officers, agents and employes.

ARTICLE VIII.

General Powers.

The said company assumes to itself and shall and does possess all powers, rights, privileges and franchises granted to and conferred upon corporations, by the laws of the State of Wyoming, which are necessary to enable it to carry out the purpose for which it is hereby created.

IN WITNESS WHEREOF, we have hereunto set our hands and seals, and to a duplicate hereof, this......day of..............
A. D., 1910.

....
....

THE STATE OF WYOMING, }
STATE ENGINEER'S OFFICE. } ss.

This instrument was received and filed for record on the 17th day of May, A. D. 1910, at 9 o'clock, a. m., and duly recorded in Book 3 of Miscellaneous Records, on pages 456, 457, 458 and 459.

CLARENCE T. JOHNSTON, State Engineer.

The company entered into a tentative contract preparatory to the segregation of the lands under the provisions of the Carey Act. It was stipulated in this contract that work would have to begin on the large canal within 60 days. The officers of the company left Cheyenne in evident high spirits and with manifest intentions of doing business. Engineers were again placed in the field and unfortunately other agents of the company, who know nothing of lands or irrigation, were sent out for the purpose of classifying the land. The object seemed to be to discourage Mr. Morton. His associates, with the exception of Mr. Ferguson of Nebraska, all opposed his investing in this project. This possibly explains some of the prior delays. After all the legal and industrial obstacles had been eliminated, the agents of the company returned to the physical problems, which the company had had plenty of time to investigate. Reports were sent to Mr. Morton that the area in the first unit was less than had been estimated; that the lands north of Muddy Creek are not of the quality that had been represented and many other matters of the kind. Early in July the State Engineer, hearing nothing as to arrangements for construction, telegraphed Mr. Morton as follows:

CHEYENNE, WYOMING, July 6, 1910.

JOY MORTON,
RAILWAY EXCHANGE,
Chicago, Ill.

"Please notify us when construction contract will be let."

C. T. JOHNSTON.

A reply was received by wire and this was followed by a letter, both of which read as follows:

CHICAGO, ILL., July 6.

HON. C. T. JOHNSTON,
STATE ENGINEER,
Cheyenne, Wyoming.

"Wrote you quite fully yesterday. Construction contract cannot be intelligently let until matters referred to are settled."

11:32 a. m. JOY MORTON.

The following is Mr. Morton's letter to which he refers in his telegram of the sixth of July:

CHICAGO, July 5, 1910.

HON. C. T. JOHNSTON,
STATE ENGINEER,
Cheyenne, Wyoming.

DEAR SIR:

Your two letters of the 1st inst. received. I also had a call from Mr. Fuller on Saturday. He gave me a telegram from

Senator Warren, which was substantially the same as the copy of the message you now send me from Mr. Mondell, both of whom expect that final approval would be given to the Bull Lake application on the second, and Mr. Fuller promised to telegraph me when this had been done.

While it is, of course, vital that we secure title to Bull Lake Reservoir, I beg to assure you that, in the meantime, we have not been idle; a big corps of engineers are now in the field, making definite location for the canal and, in addition, I have had a crew of men at work looking over the lands east of Range 3.

Mr. Stearns returned from there today, and I am very much distressed to get his report to the effect that we have been terribly fooled as regards the lands north of the divide between Muddy Creek and Five-Mile Creek. My report showed that this land was equally as good as that south of it, but had been grazed by the sheep men and the grass killed out in that way. A close examination shows that the land is rough, and most of it is of poor quality, sandy and, topographically, is such that much of it is not capable of irrigation at all. In Unit No. 10, for instance, between Muddy and Dry Muddy, we estimated that there were 42,000 acres of irrigable land—the facts are that there is probably not to exceed one-quarter of that amount capable of irrigation, and this is of poor quality as compared with the land south of Town 3 North.

On account of its proximity to both the Burlington and the Northwestern, I have had a very careful examination made of the lands mentioned above and, in the light of this unfavorable report, feel that we must go on and finish the contour surveys south of T. 3 and east of R. 3. The contour surveys that have been made up to the east line of Range 3 are probably dependable, but the location of the canal as made is likely to be somewhat changed with regard to conditions and the capacity must as a matter of course depend upon the area of irrigable land to be served, which, at this writing, I am confident, is going to be far less than the amount heretofore estimated.

As soon as I get definite data, I will go to Cheyenne, if agreeable to you all, and present the facts to the Land Board—in the meantime I want you to understand that I have in no way changed my mind as regards the development of all the good land under our project, but my company cannot consistently build a ditch larger than ever will be required to serve all the lands susceptible of irrigation under it. I am as much disappointed in this probable reduction of acreage as yourself and the Land Board can possibly be—I assume that our interests are mutual and that you and the Land Board will co-operate with us to work out the best results.

In order that you and the Land Board can be satisfied as to the land estimates, shall be glad to have you appoint a representative to work with our men in the fields, and shall be very glad indeed to give him accommodations without expense to the State, and if you, yourself, have time to visit the Reservation in the near future, I shall be glad to go out there myself and go over it with you and will see that we have an automobile and get over the ground without any unnecessary waste of time.

Capitalists with whom I am interested, who have had extensive experience in irrigation securities, are objecting to the clause on page 3 in our proposed contract, which provides for "reservoirs having a storage capacity of not less than one acre foot for each acre of irrigable land". This clause would be all right if we were wholly dependent on flood waters instead of a river with flow sufficient at nearly all seasons to supply water necessary to irrigate *all* the land that can possibly be irrigated under the Wyoming Canal, and while self-interest would, of course, require the company to construct the Bull Lake Reservoir, it is thought unwise to insert a clause in the contract which may be used by settlers—or, as is more likely, by attorneys purporting to represent the settlers,—in such a manner as will cause embarrassment to the State Engineer's office and to the company itself. I hope you will agree with us on this, and that the Land Board may feel at liberty to make a liberal modification of this clause.

Yours truly,
JOY MORTON,
President.

The State Engineer then wrote the following letter:

CHEYENNE, WYO., July 7, 1910

MR. JOY MORTON,
717 RAILWAY EXCHANGE,
Chicago, Ill.

DEAR SIR:

Your letter of the 5th has been received. The Bull Lake right of way application was approved by the Secretary last Saturday. I do not believe that you will find that the area of irrigable land will shrink much. There is too much inclination to see troubles on the part of Mr. Stearns. We have overcome every difficulty that has arisen and none of them have been serious. As rapidly as one thing is disposed of another appears on the horizon. Everything comes up but contracts to push the work. You have no idea how discouraging this program is getting to be to the State. We never dreamed that any question would arise at this late date as to the area of irrigable land. Here, after four years,—after surveys have been made by my office and by the Arnold Company, we are now told that the size of the canal must be changed because of the small area of irrigable land. Now I have been over that land. I have my own notes and the maps prepared by my men. I know that there is enough land so that this should be the last question that should arise. If we were to make some more land, we would probably be requested to reduce its elevation. I will leave it with you, if this last phantom is not about the limit. Here you have had all the time in the world to satisfy yourself about the land. You have told me many times that the land is there and that you are satisfied with it. You have promised us verbally that you would go right to work. You have signed a contract with the State Board of Land Commissioners in which you agree to go to work before July 15th. You have a bond in effect requiring you to begin work before the 28th. Yet we hear about new troubles which have no foundation and which if of any moment should have been settled years ago.

We do not want any more conferences, in so far as I am concerned. We want construction. If you can show the State at any time after construction begins that smaller canals will serve the lands, some change might be made. I do not believe this. I think you have made a wonderfully good bargain. You can build the irrigation works and sell water rights at a good profit and everything is favorable for rapid progress. I shall recommend to the Land Board that nothing be done except to inforce the contracts in force. Nothing but construction will be listened to from this time on until construction is well under way. When you have complied with your contracts and indicate that work has been commenced on a large scale and that it is to be followed continuously and in good faith, then we can take up any new scares that may come up.

If the area of irrigable land is less than we have estimated, and I know that it is not, your reservoir capacity can be made that much less. The requirement of the board as to an acre-foot of water for each acre of land to be reclaimed is essential. It is a more liberal requirement for your company than has been made in any contract that I know of with the State. There is no use raising this question now, or at any time, in so far as I am concerned. I know that these lands will require an acre-foot of stored water regardless of the natural flow of the river. I would rather require an acre-foot and a half than to reduce it in any way.

I feel that we are not getting fair treatment here. If any contract or any statement between men means anything and if there is such a thing as honest and straight dealing between men, then your company is held to begin work within the next week or so. If work does not commence by July 28th, this office must hold all permits subject to cancellation. We must get this work started. If, after all of the promises you have made verbally and in writing, you do not get work started by July 28th, then no promises made hereafter are worth anything. There is just one thing that our conference of last May fixed definitely and that was that work would have to commence before the end of July.

I shall oppose any more conferences until after construction has been begun. I do not know of anything but construction that can interest the State or the settler and it should be the thing that would interest the company at this time. You are losing the best part of the year, wasting time in surveys which can only establish what we already know. The land is there. There is enough of it to make the project a great success. There is as much and more of it than I ever estimated. This is no time for running down phantoms and day-dreams. There should be some period within four years when construction would be paramount. The State holds that this time has arrived. Construction must begin or some other party must be secured to take up the project and the settlers will be aided in protecting themselves temporarily the best way that may be possible under the bond in effect.

Sincerely yours,

CLARENCE T. JOHNSTON,
State Engineer.

This has been submitted to the State Board of Land Commissioners and it has their approval and indorsement throughout.

Following this, Messrs. Mark Morton, Stearns and Ferguson came to Cheyenne to argue for further delay. The State Board of Land Commissioners refused to hear them officially, but the officers composing the Board consented to an interview in which the State absolutely refused to make any changes in existing contracts. These gentlemen returned without accomplishing any results. It was anticipated that the company would begin work to protect the investment already made. As the days passed by it was seen that this policy was not to be followed. The 16th of July expired and no sign of work could be discovered. This practically cancelled the rights of the company under the preliminary contract with the State Board of Land Commissioners. It was presumed that some steps would be taken by the company by the 28th of July, but again the company permitted its rights to lapse without a move being made. On August first all the rights and contracts of the company were cancelled.

Prior to this final step on the part of the State it was found that there would be no great difficulty in interesting other capital in this work. The State Engineer had protected the project by filing duplicate applications in his own name as trustee. These were issued on August second and assigned to the Tallmadge-Buntin Land Company soon thereafter.

This action leaves the project in a somewhat peculiar position. The original company has some rights of way. It has constructed a small ditch at Riverton. It has some outstanding contracts. It is liable under a contract carrying a bond of $50,000.00 because work did not begin prior to July 28th, 1910. Yet that company has no rights that are recognized by the State. The new company has made a preliminary contract with the State for reclaiming the lands under the provisions of the Carey Act. It has a contract with the State Engineer relating to the lands in private possession, which reads as follows:

AGREEMENT.

WHEREAS, The permits held by the Wyoming Central Irrigation Company and the contracts between the State Engineer and said company, upon which said permits are based, were cancelled by the State Engineer on the first day of August, 1910, and

WHEREAS, The State Engineer on this second day of August, 1910, issued permits to Clarence T. Johnston, Trustee for the State of Wyoming, and said permits having been assigned by the said Trustee to E. R. Tallmadge and D. C. Buntin of Chicago, Illinois, and by them assigned to Tallmadge & Buntin Land Co., a domestic corporation.

IT IS AGREED by and between the said Clarence T. Johnston, State Engineer, party of the first part, and said Tallmadge & Buntin Land Co., party of the second part,

First. The term "water right," as employed herein, shall relate to an interest in the irrigation works to be constructed by said Tallmadge & Buntin Land Co., or its assigns, and in the permits held by it in proportion that the area of irrigable land held by the settler bears to the entire area of irrigable land under the entire system—it being understood that the final water right goes direct from the State to the settler or such organization of settlers as may be provided for the government and maintenance of the irrigation system.

Second. The company will sell to any and all settlers upon said lands, which have been filed upon under the provisions of the Homestead Act, permanent and perpetual water rights as aforesaid, subject to the limitations herein established, as follows:

The settlers shall pay for water rights at the rate of thirty ($30.00) dollars per acre, with interest thereon at the rate of six (6%) per cent per annum, a certain sum to be paid when the contract is signed and the balance to be paid in ten (10) annual installments. Wherever the owners of patented land place a higher value on such water right, this contract shall not interfere with the company disposing of such water right at an increased rate.

Third. Deferred payments may be made at any time the purchaser may desire, thereby stopping interest charges.

Fourth. When the company shall have finished canals, (and reservoirs where necessary) to serve any tract or tracts of land that may have been entered under the Homestead Act to which this agreement only applies, it shall promptly notify the State Engineer that it is ready to furnish water for such land. The settler on any of such land which has been heretofore entered for settlement shall be permitted at any time within one year from the date such notice is served on the State Engineer, to enter into contract with the company for water rights for all the irrigable land of his holdings at the rate of thirty ($30.00) dollars per acre specified herein. Unless the State Engineer finds upon investigation that such notice was not based on fact, all settlers upon such land failing to enter into contract within a year following the service of such notice upon the State Engineer, shall upon the expiration of the year be required to pay for water rights at the rate of thirty-five ($35.00) dollars per acre, and for each year delay thereafter the rate per acre shall increase in the sum of five ($5.00) dollars. Further, should it occur that through the tardiness of the settler or settlers on any land, the rates on such water rights shall have advanced to fifty ($50.00) dollars per acre, the State will at that time waive all right it may have to regulate the rate and leave it with the company to reach such agreement relating thereto as may be possible, providing that the rate shall not be less than fifty ($50.00) dollars per acre after it has once reached that figure under the conditions set forth herein.

Fifth. No settler shall be allowed to contract for water for less than all of the irrigable land of his holdings, and, where any settler shall for the purpose of avoiding or evading such requirement which stipulates that water rights shall be obtained for all of the irrigable land of his holdings, convey any part of his land to another party who will not enter into contract for water right within sixty (60) days after such conveyance, then upon such conditions arising, the company shall have the liberty to charge any rate that the company may fix for water rights not exceeding in any case fifty ($50.00) dollars per acre, ten (10%) per cent down and the balance in ten (10) annual installments.

with interest at six (6%) per cent, except where the rate on such land by reason of delay on the part of the settler has already advanced to fifty ($50.00) dollars per acre, in which event there shall be no limit on the rate which the company may charge.

IT IS FURTHER AGREED, That the said company, or its assigns, shall organize an operating company of such character as may be approved by the State Board of Land Commissioners of Wyoming, and that the settlers on lands entered under the Homestead Act shall be entitled to the same privileges and shall have the same legal standing as stockholders in said operating company as shall settlers who may enter lands under the provisions of the Carey Act. All settlers under the Homestead Act shall have the same privileges as to management and shall bear the same responsibility in maintenance as shall settlers who have obtained their lands under the provisions of the Carey Act.

IT IS FURTHER AGREED That in case of dispute between settlers and the company as to the interpretation of the provisions of this contract, the decision of the State Engineer shall be final and binding upon both parties.

IN WITNESS WHEREOF, The parties hereto have set their hands this second day of August, A. D. 1910.

CLARENCE T. JOHNSTON,
State Engineer.

TALLMADGE & BUNTIN LAND CO.
By E. R. TALLMADGE,
President.
By DANIEL C. BUNTIN,
Secretary.

Approved and witnessed by
B. B. BROOKS,
Governor of Wyoming.
W. E. MULLEN,
Attorney General.

THE STATE OF WYOMING, }
STATE ENGINEER'S OFFICE, } ss.

This instrument was received and filed for record on the third day of August, A. D. 1910, at 2 o'clock p. m., and duly recorded in Book 3 of Miscellaneous Records, on pages 481, 482 and 483.

CLARENCE T. JOHNSTON,
State Engineer.

SOME CONCLUSIONS.

Progress is seldom made unless those who should be held responsible profit by experience. The work of the past four years on the ceded lands of the Shoshone Indian Reservation has furnished some experience. It was known by the State when the lands were thrown open to settlement that conditions were not right for immediate success. It was considered best, however, to hold the project intact with the hope that some legislation would be obtained which would make co-operation between the settlers and the construction agency compulsory. It is impossible to perform development work for a community, with any security for the investment, unless there is mutual responsibility placed on the investors and on the persons who are to be aided by the proposed improvements. Unless the investor is compelled to do certain things and complete certain work in a specified manner, he will do injustice to the settlers. Unless the people are required to accept the improvements and to shoulder their individual share of responsibility, nothing of value can be accomplished. It is necessary, therefore, to have some control of the lands in an irrigation enterprise. The company may own the lands. This is not the best arrangement. It places the entire control in the hands of the company and the public has but little to say in so far as the protection of the settler is concerned. Even under these conditions, however, more than half of the trouble that would otherwise be experienced is eliminated.

Where lands are owned by many people, the district act might apply. The object of this act is to get communities together. It is presumed that the communities themselves will organize and make improvements in a common irrigation system. Thus far the act has not applied to those communities which might profit best by taking advantage of the law. The act has been taken advantage of by large land holders and speculators and it is a grave question whether or not this should be encouraged. One of the surprising things that has been manifest in the operation of the district law, is the tenacity with which holders of early water rights within the district cling to them. The object of district improvements is to place all on an equal footing and to provide an irrigation system and a water supply which will be adequate for all lands embraced within the district. The district would, under normal conditions, place a bonded indebtedness uniformly over all lands that are irrigable within the district. If A's lands have an early water right, the district should repay to him a certain sum per acre in compensation therefor. If B's lands have a right slightly inferior, the district should repay to him a sum per acre slightly less than that paid A, and so on. This would pave the way for uniform rights and at the same time bring about a settlement with those who have defined rights for their lands. This has not been done thus far. The holders of existing rights desire to retain them. This means that eventually they will pay as much as will those who have very inferior rights and when the time comes that the irrigation system and the water supply is adequate to supply the entire district uniformly, the old priorities will die a natural death and those with the valuable rights will never be compensated.

Irrigation is a science that is not generally understood. Irrigation development does not depend altogether on capital. No one ever doubted the financial ability of the Wyoming Central Irrigation Company. The company had the money to complete the entire system without delay. The trouble was that the officers of the company know nothing about irrigation development. Engineering, finance, construction, colonization, management and maintenance must all be provided for in separately organized departments and they must all work together to bring success. Failure in one department may result in failure to all. Unless a company understands these matters and provides for all, failure must ensue. No criticism can be made of the engineering and financial arrangements of the Wyoming Central Irrigation Company. The other departments were never organized, or if so, they were so insignificant that they were never in evidence. In addition to this, practically every stockholder in the company was not in favor of carrying on the work at all. It was discovered by them, after the project was secured, that it takes time to complete an irrigation project. The chief officers of the company were not young men. They did not need to bestir themselves to make a living. Money was no special object. Evidently, the scheme of the company was to delay work until every possible difficulty had been overcome and then possibly sell out to those who might be more likely to proceed with development. If the company left undiscovered any obstacle, they failed to bring it to the attention of the State. It is impossible to get things done unless those who are to proceed with development understood what is essential to success. It is impossible to develop a mining region without some ability in mining. It is impossible to secure any growth in the livestock industry unless specialists in stock raising give the business their undivided attention. The rule applies in every line of industry. Railroads are not built by farmers, and railroad men without agricultural experience do not make farmers. Capitalists without a knowledge of irrigation do not develop arid lands. As soon as a company, operating under the Carey Act, demonstrates that it is not inclined to do business, it is better to remove it from all control, quietly,—yet completely. The company does not improve with age, like some other things. With age it becomes a menace to progress and because it is helped in one particular it may be spoiled. Strict business regulations, only, will bring results. It is better to stop big development and encourage what small development may be in sight, rather than to encourage any policy which simply means delay.

There are other important lessons to be drawn from this work. Public officers seldom receive credit for going beyond what is actually specified as a routine duty, in their efforts to assist a community. This may be discouraging to such public officers as a State Engineer, who is required by law to take a hand in development work. It requires some steadfastness of purpose to take up a project of this kind and to proceed regardless of opposition from the company, opposition from the settlers and opposition from purely political sources. Ordinarily a man would hesitate some before he would care to repeat the history of the past four years on the ceded lands. Because the State made the surveys in the beginning and because the State promised, first, that the company that furnished the best plans for the settler would get the permits, and, second, that the rights of way applications would be filed for the company based on the State surveys. The State Engineer, who made these surveys, was obliged to sign the rights of way maps as Engineer for the company. The opposition saw in this an opportunity to discredit the State Engineer. It is not evident to many that rights of way cannot be obtained except by following the forms specified by the Interior Department. It would have been impossible for the State to have filed the rights of way application for the company except in conformity with the regulations of that department. The department requires one affidavit by the "engineer of the company," and as the State Engineer made the surveys, only he could sign this affidavit.

In connection with rights of way this experience has taught other important lessons. In all Carey Act projects, the rights of way should go to the State, and as each settler pays his installments for interests in the irrigation works he should obtain an interest in the rights of way in proportion to his irrigable area. The rights of way should never go to the company. Under the national laws rights of way stand good for five years. If the State is compelled to close out a company the successors thereto are tied up because the rights of way are held by the original concern. There is no reason why such rights should go to the company. If the company is to show good faith, it has no reason for objecting to the State holding the rights of way. If it is to speculate, it does not deserve any such protection as a right of way, under any conditions. If the State has control of the permits issued, if the Land Board has such contracts as will require an exhibition of good faith and if the State holds the rights of way, construction is the only thing that will protect the company. This is fair to the company, the State and the settler, for if the company means anything to the State it means that development will take place at an early date.

Possibly this work is one of the best arguments against divided control that can be secured. The national government is at present very strong on "conservation," whatever the term may mean. There is no national law, except the Carey Act, which tends toward co-operation between the general government and the states in the reclamation of arid lands. The rights of way laws never contemplate any such co-operation. The present mania for "conservation" seems to be directed altogether from a federal standpoint. The main issue is to manage the resources of Wyoming for the benefit of "all the people." If Wyoming had had any help from the national government, there would have been no trouble in reclaiming the ceded lands of the Shoshone Indian Reservation. The former Commissioner of Indian Affairs would not recommend that co-operation between the nation and the State be encouraged by the application of the Carey Act. The Reclamation Service would not take up the project. The Interior Department juggled with the rights of way for four years and longer. There seemed to be no moral or legal objection to giving the rights of way to the company and the idea of the State receiving these was never suggested by the Interior Department. The only objections raised by the department was because of fancied complications. For instance, some person had reported that it might be possible to develop water power at Bull Lake. This lake will be needed as a reservoir if the ceded lands are ever to be reclaimed. To keep some kind of federal control of water power development it was deemed wise to stop this great irrigation enterprise or at least suspend it because of the prospective water power values. This is a part of the reaction that comes from the political branch of the "conservation" movement. The various departments at Washington seemed to have combined to make development as difficult as possible. Everything must be "conserved." When the eastern reader finally discovers how he has been duped by the advertising furnished by the departments interested to the popular magazines, some sane legislation looking towards the proper co-operation between federal and state authorities may be anticipated.

In this move to reclaim the ceded lands, the national government has been a dead weight. The opening was of the wrong kind. The lands were advertised as offering homes for all who desired to take them. The necessity of irrigation was not advertised. The plans in process of formation by the State were not made public by the government. It was not pointed out that only by the expenditure of large sums of money could the high-lying lands be irrigated. The opening was a dismal failure. The history of the first year's progress is depressing when it is reviewed. The State and the people who did take land have suffered because of a conflict of authority between different departments at Washington. The office of Indian Affairs had some control. The War Department had some responsibility. The federal court had some cases to dispose of and the Interior Department was supposed to do business in conformity with the acts of Congress. All that was needed was to clear the way so that settlement could take place properly and to aid in the development of the lands by irrigation. Everything seemed to conspire to retard any move that favored progress. The people who settled on the lands in and about Riverton are not to blame for conditions. They deserve praise for remaining on the ground. Those who have no interest in the development, who own no lands and have nothing in common with the people who have actually filed on homesteads, have been the loudest in their denunciation of the company and the State. It is fortunate that the Carey Act has at last been applied. It is fortunate that the real attitude of the original company has been disclosed. It is fortunate that a new company that understands irrigation development has been found to take up this important work. It is possible that matters would have been improved had the original company been eliminated at an earlier date. It must be borne in mind, however, that the Carey Act was not applied to these lands until during the spring of the present year, 1910. It must be remembered that no other capital could be obtained to take up the big work, until the Carey Act had been applied. It must be remembered that within five months after the Carey Act was applied the old company was eliminated and plans made for carrying on the work by another company. It should be borne in mind that this company cannot hold the project unless it constructs canals and reservoirs. Conditions are different now. The project is so good from a physical standpoint that there is no excuse for delay. The Carey Act being applied and there being no great trouble in getting capital interested, any company will be given only a reasonable time to demonstrate its ability and its inclination to do things.

There is but one matter in the records of the plans for the reclamation of the ceded lands in Fremont County which may be misunderstood. It will be remembered by those who have followed the history of this case that the State Engineer, only, had permission to make surveys on these lands prior to the opening of the tract to settlement. The report of the State Engineer for 1905-1906 shows that the State promised the company that made the best proposition for the settler that the State Engineer would prepare the applications for rights of way. These rights of way for canals and reservoirs had to be filed prior to the opening of the lands to settlement or they would be of no value. The rights of way applications had to be filed with the Interior Department. Hence, it was necessary that the surveys made by the State be used in preparing the applications. The regulations of the Interior Department set forth forms that must appear as affidavits on the maps accompanying the rights of way applications. One of these forms is an affidavit to be signed by the engineer of the company. Manifestly in this case the company had no surveys and at that time no engineer, because it could do no business until after the lands had been thrown open to settlement. If the rights of way were to be filed prior to the opening of the lands to entry, only the State could prepare them and only the State Engineer could sign the affidavits. This was the only course that was open and it was pursued. The State Engineer was performing business that was strictly of a public character. He was not employed by the company at any time and he never received remuneration of any kind from the company. The records of the land office at Lander and the records of the general land office at Washington will show that the State Engineer acted as the engineer for the company in so far as the rights of way are concerned. All of this business was performed before the company could do business for itself and at a time when only the State Engineer could act. This statement is made so that there may be a record of the facts aside from the rights of way filings in the land offices.

Redescription of County Boundaries.

Many of the county boundaries of Wyoming were described by law prior to the completion of public land surveys. It was necessary at that time to tie them to some monument or mark on the ground and this practice has led to much confusion. For instance, the boundary between Laramie and Albany Counties is now described with reference to Buford Station on the Union Pacific. This station has been moved by the railroad during the past few years. The boundary between Albany County and Carbon County is described in the law with reference to Como Station, which no longer exists, it having been on the Carbon line of the road which has been entirely abandoned. Many county boundaries are located with reference to meridians of longitude and parallels of latitude. The meridians of longitude may refer to Washington or Greenwich as zero. The meridians and parallels are not located on the ground. They can be shown on a map, but there is nothing of record to tell how far these imaginary lines are from public land surveys. New counties will doubtless be created rapidly in Wyoming. Before this proceeds very far the errors in the description of existing boundary lines should be corrected and preparation should be made now for the future. More trouble will arise every year that delay is permitted in matters of this kind.

The Legislature of 1909 recognized these difficulties. It has blazed the way for the correction of every boundary which is in doubt. House Bill No. 164, reads as follows:

CHAPTER 116 (S. L. 1909.).

House Bill No. 164.

DEFINING THE BOUNDARIES OF THE COUNTIES OF THE STATE.

AN ACT directing the Attorney General and the State Engineer to prepare a measure for submission to the Eleventh State Legislature, defining the boundaries of the counties of the state with reference to the public surveys and mountain chains, eliminating any reference to meridians of longitude or parallels of latitude, or any astronomical lines which cannot be located on the ground except by expensive surveys.

Be It Enacted by the Legislature of the State of Wyoming:

DUTY ATTORNEY GENERAL AND STATE ENGINEER.

SECTION 1. It shall be the duty of the Attorney General and the State Engineer to prepare on or before the first day of January, 1911, a measure for the consideration of the Eleventh State Legislature which shall re-describe the boundaries of all counties of the State where such boundaries are now located with reference to railroad stations, meridians of longitude, or parallels of latitude. The said measure shall contain a description of such county boundaries with reference to the nearest line that may be located upon the ground by public land surveys.

SHALL REQUEST.

SEC. 2. The Attorney General and State Engineer shall request the co-operation and assistance of the United States Surveyor General in framing this measure as called for in Section 1 of this act.

SEC. 3. This act shall take effect and be in force from and after its passage.

Approved February 27th, 1909.

The State Engineer and the Attorney General have had this problem under consideration for the past two years. A map was prepared on which the boundaries of all counties were designated with reference to public land surveys. This brought the new boundaries so near the old ones that it was impossible to show any difference in the original lines and the new ones, except here and there. The new boundaries were fully and accurately described and forwarded to every county surveyor who was asked to confer with his board of county commissioners. Reports were received from the counties in this way and all suggestions that could be accepted have been incorporated in the measure finally accepted as satisfactory. Where counties could not agree, the State Engineer and the Attorney General have arbitrated the dispute and fixed the boundaries in a way that should meet with the approval of all concerned. Under the instructions of the Legislature of 1909, a bill has been prepared for the consideration of the Legislature of 1911. This bill, in complete form, is as follows:

A BILL

FOR

AN ACT re-describing the boundaries of all counties of the State where such boundaries are now located with reference to railroad stations, meridians of longitude or parallels of latitude, and defining said boundaries by the nearest line that is located on the ground by public land surveys.

Be It Enacted by the Legislature of the State of Wyoming:

SECTION 1. All that portion of the State of Wyoming embraced within the following described boundaries shall be known as Albany County:

Commencing at a point on the south boundary of Wyoming where a line projected south from the north one-quarter corner of Section six (6), Township twelve (12) North, Range seventy (70) West, through the centers of sections and through one-quarter corners intersects said boundary; thence north to the north one-quarter corner of Section six (6), Township twelve (12) North, Range seventy (70) West; thence along the third (3rd) standard parallel to the south one-quarter corner of Section thirty-one (31), Township thirteen (13) North, Range seventy (70) West; thence north through the centers of sections and through one-quarter corners to the north one-quarter corner of Section six (6), Township sixteen (16) North, Range seventy (70) West; thence along the fourth (4th) standard parallel to the south one-quarter corner of section thirty-one (31), Township seventeen (17) North, Range seventy (70) West; thence north through the centers of sections and through one-quarter corners to the north one-quarter corner of Section six (6), Township twenty (20) North, Range seventy (70) West; thence along the fifth (5th) standard parallel to the southeast corner of Section thirty-one (31), Township twenty-one (21) North, Range seventy (70) West; thence north along section lines to the northeast corner of Section six (6), Township twenty-four (24) North, Range seventy (70) West; thence along the sixth (6th) standard parallel to the southeast corner of Section thirty-one (31), Township twenty-five (25) North, Range seventy (70) West; thence north along section lines to the northeast corner of Section six (6), Township twenty-eight (28) North, Range seventy (70) West; thence west along the township line between Townships twenty-eight (28) and twenty-nine (29) North, to the north one-quarter corner of Section four (4), Township twenty-eight (28) North, Range seventy-seven (77) West; thence south through the centers of sections and through one-quarter corners to the south one-quarter corner of Section thirty-three (33), Township twenty-five (25) North, Range seventy-seven (77)

West; thence along the sixth (6th) standard parallel to the northeast corner of Section five (5), Township twenty-four (24) North, Range seventy-seven (77) West; thence south along section lines to the southeast corner of Section thirty-two (32), Township twenty-one (21) North, Range seventy-seven (77) West; thence along the fifth (5th) standard parallel to the north one-quarter corner of Section five (5), Township twenty (20) North, Range seventy-seven (77) West; thence south through the centers of sections and through one-quarter corners to the south one-quarter corner of Section thirty-two (32), Township seventeen (17) North, Range seventy-seven (77) West; thence west along the fourth (4th) standard parallel to the northwest corner of Section six (6), Township sixteen (16) North, Range seventy-nine (79) West; thence south on the range line between Ranges seventy-nine (79) and eighty (80) West, to the third (3rd) standard parallel; thence along the third (3rd) standard parallel to the northwest corner of Section six (6), Township twelve (12) North, Range seventy-nine (79) West; thence south along the range line between Ranges seventy-nine (79) and eighty (80) West to the south boundary of the State of Wyoming; thence east along said south boundary of the State of Wyoming to the point of beginning.

SEC. 2. All that portion of the State of Wyoming embraced within the following described boundaries shall be known as Big Horn County:

Commencing at the northeast corner of Section twenty-five (25), Township forty-one (41) North, Range eighty-six (86) West; thence north on the range line between Ranges eighty-five (85) and eighty-six (86) West to the northeast corner of Section one (1), Township forty-four (44) North, Range eighty-six (86) West; thence along the eleventh (11th) standard parallel to the southeast corner of Section thirty-six (36), Township forty-five (45) North, Range eighty-six (86) West; thence north along the range line between Ranges eighty-five (85) and eighty-six (86) West, to the northeast corner of Section one (1), Township forty-eight (48) North, Range eighty-six (86) West; thence along the twelfth (12th) standard parallel to the southeast corner of Section thirty-six (36), Township forty-nine (49) North, Range eighty-six (86) West; thence north along the range line between Ranges eighty-five (85) and eighty-six (86) West, to the intersection of the range line with the line along the divide between the Big Horn River and the streams flowing easterly from the Big Horn mountains; thence northerly and northwesterly along said divide to the northern boundary of the State of Wyoming; thence west along the northern boundary of the State of Wyoming to the point of intersection between said boundary and the range line between Ranges ninety-seven

(97) and ninety-eight (98) West; thence south along said range line to the fourteenth (14th) standard parallel; thence along said fourteenth (14th) standard parallel to the northwest corner of Section six (6), Township fifty-six (56) North, Range ninety-seven (97) West; thence south along the range line between Ranges ninety-seven (97) and ninety-eight (98) West, to the southwest corner of Section thirty-one (31), Township fifty-three (53) North, Range ninety-seven (97) West; thence along the thirteenth (13th) standard parallel to the northwest corner of Section six (6), Township fifty-two (52) North, Range ninety-seven (97) West; thence south along the range line between Ranges ninety-seven (97) and ninety-eight (98) West to the southwest corner of Section thirty-one (31), Township forty-nine (49) North, Range ninety-seven (97) West; thence along the twelfth (12th) standard parallel to the northwest corner of Section six (6), Township forty-eight (48) North, Range ninety-seven (97) West; thence south along the range line between Ranges ninety-seven (97) and ninety-eight (98) West to the northwest corner of Section six (6), Township forty-seven (47) North, Range ninety-seven (97) West; thence west along the township line between Townships forty-seven (47) and forty-eight (48) North, to the northwest corner of Section six (6), Township forty-seven (47) North, Range ninety-nine (99) West; thence south on the range line between Ranges ninety-nine (99) and one hundred (100) West to the northwest corner of Section six (6), Township forty-six (46) North, Range ninety-nine (99) West; thence west along the township line between Townships forty-six (46) and forty-seven (47) North to the northwest corner of Section six (6), Township forty-six (46) North, Range one hundred (100) West; thence south on the range line between Ranges one hundred (100) and one hundred one (101) West to the northwest corner of Section six (6), Township forty-five (45) North, Range one hundred (100) West; thence west along the township line between Townships forty-five (45) and forty-six (46) North, to the north one-quarter corner of Section two (2), Township forty-five (45) North, Range one hundred two (102) West; thence south through the centers of sections and through one-quarter corners to the south one-quarter corner of Section thirty-five (35), Township forty-five (45) North, Range one hundred two (102) West; thence along the eleventh (11th) standard parallel to the north one-quarter corner of Section two (2), Township forty-four (44) North, Range one hundred two (102) West; thence south through the centers of sections and through one-quarter corners to the south one-quarter corner of Section thirty-five (35), Township forty-four (44) North, Range one hundred two (102) West; thence west along the township line between Townships forty-three (43) and forty-four (44) North,

to the intersection of said line with the center line of the main channel of the South Fork of Owl Creek; thence easterly along the center line of the main channel of the South Fork of Owl Creek and of Owl Creek proper to its junction with the Big Horn River; thence southerly along the center line of the main channel of the Big Horn River to its intersection with a line projected west from the northeast corner of Section twenty-five (25), Township forty-one (41) North, Range ninety-four (94) West; thence easterly along said line to the point of beginning.

SEC. 3. All that portion of the State of Wyoming embraced within the following described boundaries shall be known as Carbon County:

Commencing at a point on the south boundary of the State of Wyoming where the range line between Ranges seventy-nine (79) and eighty (80) West, intersects said boundary; thence north to the third (3rd) standard parallel; thence along said third (3rd) standard parallel to the southwest corner of Section thirty-one (31), Township thirteen (13) North, Range seventy-nine (79) West; thence north on the range line between Ranges seventy-nine (79) and eighty (80) West to the northwest corner of Section six (6), Township sixteen (16) North, Range seventy-nine (79) West; thence east along the fourth (4th) standard parallel to the south one-quarter corner of Section thirty-two (32), Township seventeen (17) North, Range seventy-seven (77) West; thence north through the centers of sections and through one-quarter corners to the north one-quarter corner of Section five (5), Township twenty (20) North, Range seventy-seven (77) West; thence along the fifth (5th) standard parallel to the southeast corner of Section thirty-two (32), Township twenty-one (21) North, Range seventy-seven (77) West; thence north along section lines to the northeast corner of Section five (5), Township twenty-four (24) North, Range seventy-seven (77) West; thence along the sixth (6th) standard parallel to the south one-quarter corner of Section thirty-three (33), Township twenty-five (25) North, Range seventy-seven (77) West; thence north through the centers of sections and through one-quarter corners to the north one-quarter corner of Section four (4), Township twenty-eight (28) North, Range seventy-seven (77) West; thence west along the seventh (7th) standard parallel to the northwest corner of Section six (6), Township twenty-eight (28) North, Range eighty-nine (89) West; thence south on the line between Ranges eighty-nine (89) and ninety (90) West to the southeast corner of Section thirty-six (36), Township twenty-five (25) North, Range ninety (90) West; thence along the sixth (6th) standard parallel to the northwest corner of Section six (6), Township twenty-four (24) North, Range eighty-nine (89) West; thence south along the range line between

Ranges eighty-nine (89) and ninety (90) West to the southeast corner of Section thirty-six (36), Township twenty-one (21) North, Range ninety (90) West; thence along the fifth (5th) standard parallel to the northeast corner of Section three (3), Township twenty (20) North, Range ninety (90) West; thence south along section lines to the southeast corner of Section thirty-four (34), Township twenty (20) North, Range ninety (90) West; thence west along the township line between Townships nineteen (19) and twenty (20) North, to the northwest corner of Section six (6), Township nineteen (19) North, Range ninety-three (93) West; thence south along the range line between Ranges ninety-three (93) and ninety-four (94) West to the southwest corner of Section thirty-one (31), Township seventeen (17) North, Range ninety-three (93) West; thence along the fourth (4th) standard parallel to the northwest corner of Section six (6), Township sixteen (16) North, Range ninety-three (93) West; thence south on the range line between Ranges ninety-three (93) and ninety-four (94) West to the third (3rd) standard parallel; thence along the third (3rd) standard parallel to the northwest corner of Section six (6), Township twelve (12) North, Range ninety-three (93) West; thence south on the range line between Ranges ninety-three (93) and ninety-four (94) West to the southern boundary of the State of Wyoming; thence east along the said southern boundary of the State of Wyoming to the point of beginning.

SEC. 4. All that portion of the State of Wyoming embraced within the following described boundaries shall be known as Converse County:

Commencing at a point on the eastern boundary of the State of Wyoming where said boundary is intersected by the township line between Townships thirty (30) and thirty-one (31) North; thence north along said eastern boundary of the State of Wyoming to a point where said boundary intersects a line projected east from the west one-quarter corner of Section thirty (30), Township forty-one (41) North, Range sixty (60) West; thence west through the centers of sections and through one-quarter corners to the center of Section twenty-six (26), Township forty-one (41) North, Range seventy-seven (77) West; thence south to the south one-quarter corner of Section thirty-five (35), Township forty-one (41) North, Range seventy-seven (77) West; thence along the tenth (10th) standard parallel to the northeast corner of Section three (3), Township forty (40) North, Range seventy-seven (77) West; thence south along section lines to the southeast corner of Section thirty-four (34), Township thirty-seven (37) North, Range seventy-seven (77) West; thence along the ninth (9th) standard parallel to the north one-quarter corner of Section three (3), Township thirty-six (36) North, Range seventy-seven (77) West; thence south through the centers of sections and through one-quarter corners to the south one-quarter corner of Section thirty-four (34), Township thirty-three (33), North, Range seventy-seven (77) West; thence along the eighth (8th) standard parallel to the north one-quarter corner of Section four (4), Township thirty-two (32) North, Range seventy-seven (77) West; thence south through the centers of sections and through one-quarter corners to the south one-quarter corner of Section thirty-three (33), Township twenty-nine (29) North, Range seventy-seven (77) West; thence east on the township line between Townships twenty-eight (28) and twenty-nine (29) North to the southeast corner of Section thirty-one (31), Township twenty-nine (29) North, Range seventy (70) West; thence north along section lines to the northeast corner of Section six (6), Township thirty (30) North, Range seventy (70) West; thence east along the township line between Townships thirty (30) and thirty-one (31) North, to the point of beginning.

SEC. 5. All that portion of the State of Wyoming embraced within the following described boundaries shall be known as Crook County:

Commencing at a point on the eastern boundary of the State of Wyoming where said boundary is intersected by the township line between Townships forty-eight (48) and forty-nine (49) North; thence north to the northeastern corner of the State of Wyoming; thence west along the northern boundary of the State of Wyoming to a point on said boundary where the same is intersected by a line projected north from the south one-quarter corner of Section thirty-three (33), Township fifty-eight (58) North, Range seventy-six (76) West; thence south through the centers of sections and through one-quarter corners to the south one-quarter corner of Section thirty-three (33), Township fifty-seven (57) North, Range seventy-six (76) West; thence along the fourteenth (14th) standard parallel to the north one-quarter corner of Section four (4), Township fifty-six (56) North, Range seventy-six (76) West; thence south through the centers of sections and through one-quarter corners to the south one-quarter corner of Section thirty-three (33), Township fifty-three (53) North, Range seventy-six (76) West; thence along the thirteenth (13th) standard parallel to the northeast corner of Section five (5), Township fifty-two (52) North, Range seventy-six (76) West; thence south along the section lines to the southeast corner of Section thirty-two (32), Township forty-nine (49) North, Range seventy-six (76) West; thence east along the twelfth (12th) standard parallel to the point of beginning.

SEC. 6. All that portion of the State of Wyoming embraced within the following described boundaries shall be known as Fremont County:

Commencing at the southeast corner of Section thirty-six (36), Township twenty-seven (27) North, Range ninety (90) West; thence north along the range line between Ranges eighty-nine (89) and ninety (90) West to the northeast corner of Section one (1), Township twenty-eight (28) North, Range ninety (90) West; thence along the seventh (7th) standard parallel to the southeast corner of Section thirty-six (36), Township twenty-nine (29) North, Range ninety (90) West; thence north along the range line between Ranges eighty-nine (89) and ninety (90) West, to the northeast corner of Section one (1), Township thirty-two (32) North, Range ninety (90) West; thence along the eighth (8th) standard parallel to the southwest corner of Section thirty-four (34), Township thirty-three (33) North, Range eighty-nine (89) West; thence north along section lines to the northwest corner of Section three (3), Township thirty-six (36) North, Range eighty-nine (89) West; thence along the ninth (9th) standard parallel to the southwest corner of Section thirty-four (34), Township thirty-seven (37) North, Range eighty-nine (89) West; thence north along section lines to the northwest corner of Section three (3), Township forty (40) North, Range eighty-nine (89) West; thence along the tenth (10th) standard parallel to the southwest corner of Section thirty-four (34), Township forty-one (41) North, Range eighty-nine (89) West; thence north to the northwest corner of Section twenty-seven (27), Township forty-one (41) North, Range eighty-nine (89) West; thence west along section lines to the center line of the main channel of the Big Horn River; thence northerly along said center line of the main channel of the Big Horn River to the junction of said river and Owl Creek; thence westerly along the center line of the main channel of Owl Creek and the South Fork of Owl Creek to the divide between the water-sheds of Wind River and tributaries, and the Grey Bull River and tributaries; thence westerly along the divide between the said water-sheds to the divide between the drainage basin of the Columbia and the drainage basin of the Missouri; thence northwesterly along said divide to its intersection with a line projected north along section lines from the southeast corner of Section thirty-three (33), Township forty-five (45) North, Range one hundred ten (110) West; thence south along said lines to the southeast corner of Section thirty-three (33), Township forty-five (45) North, Range one hundred ten (110) West; thence along the eleventh (11th) standard parallel to the northeast corner of Section four (4), Township forty-four (44) North, Range one hundred ten (110) West; thence south along section lines to the southeast corner of Section thirty-three (33), Township forty-one (41) North, Range one hundred ten (110) West; thence along the tenth (10th) standard parallel to the north one-quarter corner of Section four (4), Township forty (40) North, Range one hundred ten (110) West; thence south through the centers of sections and through one-quarter corners to the south one-quarter corner of Section thirty-three (33), Township thirty-seven (37) North, Range one hundred ten (110) West; thence along the ninth (9th) standard parallel to the northeast corner of Section two (2), Township thirty-six (36) North, Range one hundred eleven (111) West; thence south along section lines to the southeast corner of Section thirty-five (35), Township thirty-three (33) North, Range one hundred eleven (111) West; thence along the eighth (8th) standard parallel to the north one-quarter corner of Section three (3), Township thirty-two (32) North, Range one hundred eleven (111) West; thence south through the centers of sections and through one-quarter corners to the south one-quarter corner of Section thirty-four (34), Township twenty-nine (29) North, Range one hundred eleven (111) West; thence along the seventh (7th) standard parallel to the northeast corner of Section five (5), Township twenty-eight (28) North, Range one hundred eleven (111) West; thence south along section lines to the southeast corner of Section thirty-two (32), Township twenty-seven (27) North, Range one hundred eleven (111) West; thence east along the township line between Townships twenty-six (26) and twenty-seven (27) North, to the point of beginning.

SEC. 7. All that portion of the State of Wyoming embraced within the following described boundaries shall be known as Johnson County:

Commencing at the center of Section twenty-nine (29), Township forty-one (41) North, Range seventy-six (76) West; thence north through the centers of sections and through one-quarter corners to the north one-quarter corner of Section five (5), Township forty-four (44) North, Range seventy-six (76) West; thence along the eleventh (11th) standard parallel to the southeast corner of Section thirty-two (32), Township forty-five (45) North, Range seventy-six (76) West; thence north along section lines to the northeast corner of Section five (5), Township forty-eight (48) North, Range seventy-six (76) West; thence along the twelfth (12th) standard parallel to the southeast corner of Section thirty-two (32), Township forty-nine (49) North, Range seventy-six (76) West; thence north along section lines to the northeast corner of Section five (5), Township fifty two (52) North, Range seventy-six (76) West; thence along the thirteenth (13th) standard parallel to the south one-quarter corner of Section thirty-three (33), Township fifty-three (53), North, Range seventy-six (76) West; thence north to the south one-quarter corner of Section sixteen (16), Township fifty-three (53) North, Range seventy-six (76) West; thence west along section lines to the summit of the divide between the drainage of the Big Horn River and the drainage of streams running easterly from the Big Horn Mountains; thence southeasterly and southerly along said summit and divide to its intersection with the range line between Ranges eighty-five (85) and eighty-six (86) West in Township fifty (50) North, being in the vicinity of Mather Peak; thence south on said range line to the southeast corner of Section thirty-six (36), Township forty-nine (49) North, Range eighty-six (86) West; thence east on the twelfth (12th) standard parallel to the northeast corner of Section one (1), Township forty-eight (48) North, Range eighty-six (86) West; thence south on the range line between Ranges eighty-five (85) and eighty-six (86) West to the southeast corner of Section thirty-six (36), Township forty-five (45) North, Range eighty-six (86) West; thence east along the eleventh (11th) standard parallel to the northeast corner of Section one (1), Township forty-four (44) North, Range eighty-six (86) West; thence south along the range line between Ranges eighty-five (85) and eighty-six (86) West to the west one-quarter corner of Section thirty (30), Township forty-one (41) North, Range eighty-five (85) West; thence east through the centers of sections and through one-quarter corners to the point of beginning.

SEC. 8. All that portion of the State of Wyoming embraced within the following described boundaries shall be known as Laramie County:

Commencing at the southeast corner of the State of Wyoming; thence north to a point on the east boundary line of the State of Wyoming where the township line between Townships thirty (30) and thirty-one (31) North, intersects said boundary; thence west to the northeast corner of Section six (6), Township thirty (30) North, Range seventy (70) West; thence south along section lines to the southeast corner of Section thirty-one (31), Township twenty-nine (29) North, Range seventy (70) West; thence along the seventh (7th) standard parallel to the northeast corner of Section six (6), Township twenty-eight, (28) North, Range seventy (70) West; thence south along section lines to the southeast corner of Section thirty-one (31), Township twenty-five (25) North, Range seventy (70) West; thence along the sixth (6th) standard parallel to the northeast corner of Section six (6), Township twenty-four (24) North, Range seventy (70) West; thence south along section lines to the southeast corner of Section thirty-one (31), Township twenty-one (21) North, Range seventy (70) West; thence along the fifth (5th) standard parallel to the north one-quarter corner of Section six (6), Township twenty (20) North, Range seventy (70) West; thence south through the centers of sections and through one-quarter corners to the south one-quarter corner of Section thirty-one (31), Township seventeen (17) North, Range seventy (70) West; thence along the fourth (4th) standard parallel to the north one-quarter corner of Section six (6), Township sixteen (16) North, Range seventy (70) West; thence south through the centers of sections and through one-quarter corners to the south one-quarter corner of Section thirty-one (31), Township thirteen (13) North, Range seventy (70) West; thence along the third (3rd) standard parallel to the north one-quarter corner of Section six (6), Township twelve (12) North, Range seventy (70) West; thence south through the centers of sections and through one-quarter corners to the southern boundary of the State of Wyoming; thence east along the southern boundary of the State of Wyoming to the southeast corner of said State, which is the point of beginning.

SEC. 9. All that portion of the State of Wyoming embraced within the following described boundaries shall be known as Natrona County:

Commencing at the south one-quarter corner of Section thirty-three (33), Township twenty-nine (29) North, Range seventy-seven (77) West; thence north through the centers of sections and through one-quarter corners to the north one-quarter corner of Section four (4), Township thirty-two (32) North, Range seventy-seven (77) West; thence along the eighth (8th) standard parallel to the south one-quarter corner of Section thirty-four (34), Township thirty-three (33) North, Range seventy-seven (77) West; thence north through the centers of sections and through one-quarter corners to the north one-quarter corner of Section three (3), Township thirty-six (36) North, Range seventy-seven (77) West; thence along the ninth (9th) standard parallel to the southeast corner of Section thirty-four (34), Township thirty-seven (37) North, Range seventy-seven (77) West; thence north along section lines to the northeast corner of Section three (3), Township forty (40) North; Range seventy-seven (77) West; thence along the tenth (10th) standard parallel to the south one-quarter corner of Section thirty-five (35), Township forty-one (41) North, Range seventy-seven (77) West; thence north to the center of Section twenty-six (26), Township forty-one (41) North, Range seventy-seven (77) West; thence west through the centers of sections and through one-quarter corners to the west one-quarter corner of Section thirty (30), Township forty-one (41) North, Range eighty-five (85) West; thence along the range line between Ranges eighty-five (85) and eighty-six (86) West; to the northeast corner of Section twenty-five (25), Township forty-one

(41) North, Range eighty-six West; thence west along section lines to the northwest corner of Section twenty-seven (27), Township forty-one (41) North, Range eighty-nine (89) West; thence south to the southwest corner of Section thirty-four (34), Township forty-one (41) North, Range eighty-nine (89) West; thence along the tenth (10th) standard parallel to the northwest corner of Section three (3), Township forty (40) North, Range eighty-nine (89) West; thence south along section lines to the southwest corner of Section thirty-four (34), Township thirty-seven (37) North, Range eighty-nine (89) West; thence along the ninth (9th) standard parallel to the northwest corner of Section three (3), Township thirty-six (36) North, Range eighty-nine (89) West; thence south along section lines to the southwest corner of Section thirty-four (34), Township thirty-three (33) North, Range eighty-nine (89) West; thence along the eighth (8th) standard parallel to the northwest corner of Section six (6), Township thirty-two (32) North, Range eighty-nine (89) West; thence along the range line between Ranges eighty-nine (89) and ninety (90) West to the southwest corner of Section thirty-one (31) Township twenty-nine (29) North, Range eighty-nine (89) West; thence east along the seventh (7th) standard parallel to the point of beginning.

SEC. 10. All that portion of the State of Wyoming embraced within the following described boundaries shall be known as Park County:

Commencing at the south one-quarter corner of Section thirty-five (35), Township forty-four (44) North, Range one hundred two (102) West; thence north through the centers of sections and through one-quarter corners to the north one-quarter corner of Section two (2), Township forty-four (44) North, Range one hundred two (102) West; thence along the eleventh (11th) standard parallel to the south one-quarter corner of Section thirty-five (35), Township forty-five (45) North, Range one hundred two (102) West; thence north through the centers of sections and through one-quarter corners to the north one-quarter corner of Section two (2), Township forty-five (45) North, Range one hundred two (102) West; thence east along the township line between Townships forty-five (45) and forty-six (46) North, to the southeast corner of Section thirty-six (36), Township forty-six (46) North, Range one hundred one (101) West; thence north along the range line between Ranges one hundred (100) and one hundred one (101) West, to the southeast corner of Section thirty-six (36), Township forty-seven (47) North, Range one hundred one (101) West; thence east along the township line between Townships forty-six (46) and forty-seven (47) North, to the southeast corner of Section thirty-six (36), Township forty-seven (47) North, Range one hundred (100)

West; thence north along the range line between Ranges ninety-nine (99) and one hundred (100) West to the southeast corner of Section thirty-six (36), Township forty-eight (48) North, Range one hundred (100) West; thence east along the township line between Townships forty-seven (47) and forty-eight (48) North, to the southeast corner of Section thirty-six (36), Township forty-eight (48) North, Range ninety-eight (98) West; thence north along the range line between Ranges ninety-seven (97) and ninety-eight (98) West to the northeast corner of Section one (1), Township forty-eight (48) North, Range ninety-eight (98) West; thence along the twelfth (12th) standard parallel to the southeast corner of Section thirty-six (36), Township forty-nine (49) North, Range ninety-eight (98) West; thence north along the range line between Ranges ninety-seven (97) and ninety-eight (98) West to the northeast corner of Section one (1), Township fifty-two (52) North, Range ninety-eight (98) West; thence along the thirteenth (13th) standard parallel to the southeast corner of Section thirty-six (36), Township fifty-three (53) North, Range ninety-eight (98) West; thence north along the range line between Ranges ninety-seven (97) and ninety-eight (98) West to the northeast corner of Section one (1), Township fifty-six (56) North, Range ninety-eight (98) West; thence along the fourteenth (14th) standard parallel to the southeast corner of Section thirty-six (36), Township fifty-seven (57) North, Range ninety-eight (98) West; thence north along the range line between Ranges ninety-seven (97) and ninety-eight (98) West to the intersection of said line with the northern boundary of the State of Wyoming; thence west along the northern boundary of the State of Wyoming to its intersection with the eastern boundary of the Yellowstone National Park; thence south along the eastern boundary of the Yellowstone National Park to the southeast corner of said park; thence west along the southern boundary of the Yellowstone National Park to a point where said boundary intersects a line running north from the southeast corner of Section thirty-three (33) Township forty-five (45) North, Range one hundred ten (110) West; thence south along said line to a point where it intersects the Continental Divide, separating the waters of the Missouri from the Columbia; thence south and southeasterly along said divide until said divide intersects the divide separating the water flowing into Grey Bull River and tributaries, from the waters flowing into tributaries of Big Wind River; thence easterly and southeasterly along said divide between Wind River and tributaries, and the Grey Bull River and tributaries, to the headwaters of the South Fork of Owl Creek; thence along the center line of the main channel of the South Fork of Owl Creek to its intersection with the township line between Townships forty-three (43) and forty-four (44) North; thence along said township line to the point of beginning.

SEC. 11. All that portion of the State of Wyoming embraced within the following described boundaries shall be known as Sheridan County:

Commencing at the south one-quarter corner of Section sixteen (16), Township fifty-three (53) North, Range seventy-six (76) West; thence north through the centers of sections and through one-quarter corners to the north one-quarter corner of Section four (4), Township fifty-six (56) North, Range seventy-six (76) West; thence along the fourteenth (14th) standard parallel to the south one-quarter corner of Section thirty-three (33), Township fifty-seven (57) North, Range seventy-six (76) West; thence north through the centers of sections and through one-quarter corners to the northern boundary of the State of Wyoming; thence west along the northern boundary of the State of Wyoming to its intersection with the divide between tributaries of the Big Horn River and streams flowing easterly from the Big Horn Mountains; thence southerly and southeasterly along said divide to its intersection with a line passing east and west through the southwest corner of Section eighteen (18), Township fifty-three (53) North, Range eighty-seven (87) West; thence east along section lines to the point of beginning.

SEC. 12. All that portion of the State of Wyoming embraced within the following described boundaries shall be known as Sweetwater County:

Commencing at a point on the southern boundary of the State of Wyoming, where the range line between Ranges ninety-three (93) and ninety-four (94) West intersects said southern boundary; thence north along said range line to the third (3rd) standard parallel; thence along the third (3rd) standard parallel to the southwest corner of Section thirty-one (31), Township thirteen (13) North, Range ninety-three (93) West; thence north along the range line between Ranges ninety-three (93) and ninety-four (94) West to the fourth (4th) standard parallel; thence along the fourth (4th) standard parallel to the southwest corner of Section thirty-one (31), Township seventeen (17) North, Range ninety-three (93) West; thence north along the range line between Ranges ninety-three (93) and ninety-four (94) West to the northwest corner of Section six (6), Township nineteen (19) North, Range ninety-three (93) West; thence east along the township line between Townships nineteen (19) and twenty (20) North to the southeast corner of Section thirty-four (34), Township twenty (20) North, Range ninety (90) West; thence north along section lines to the northeast corner of section three (3), Township twenty (20) North, Range ninety (90) West; thence along the fifth (5th) standard parallel to the southwest corner of Section thirty-one (31), Township twenty-one (21) North, Range eighty-nine (89) West; thence north along the range line between Ranges eighty-nine (89) and ninety (90) West to the northwest corner of Section six (6), Township twenty-four (24) North, Range eighty-nine (89) West; thence along the sixth (6th) standard parallel to the southwest corner of Section thirty-one (31), Township twenty-five (25) North, Range eighty-nine (89) West; thence north along the range line between Ranges eighty-nine (89) and ninety (90) West to the northwest corner of Section six (6), Township twenty-six (26) North, Range eighty-nine (89) West; thence west along the township line between Townships twenty-six (26) and twenty-seven (27) North to the northeast corner of Section five (5), Township twenty-six (26) North, Range one hundred eleven (111) West; thence south along section lines to the southeast corner of Sesction thirty-two (32), Township twenty-five (25) North, Range one hundred eleven (111) West; thence along the sixth (6th) standard parallel to the north one-quarter corner of Section six (6), Township twenty-four (24) North, Range one hundred eleven (111) West; thence south through the centers of sections and through one-quarter corners to the south one-quarter corner of Section thirty-one (31), Township twenty-one (21) North, Range one hundred eleven (111) West; thence along the fifth (5th) standard parallel to the north one-quarter corner of Section three (3), Township twenty (20) North, Range one hundred twelve (112) West; thence south through the centers of sections and through one-quarter corners to the south one-quarter corner of Section thirty-four (34), Township seventeen (17) North, Range one hundred twelve (112) West; thence along the fourth (4th) standard parallel to the northeast corner of Section five (5), Township sixteen (16) North, Range one hundred twelve (112) West; thence south along section lines to the southeast corner of Section thirty-two (32), Township thirteen (13) North, Range one hundred twelve (112) West; thence along the third (3rd) standard parallel to the northeast corner of Section five (5), Township twelve (12) North, Range one hundred twelve (112) West; thence south along section lines to the southern boundary of the State of Wyoming; thence east along the said southern boundary of the State of Wyoming to the point of beginning.

SEC. 13. All that portion of the State of Wyoming embraced within the following described boundaries shall be known as Uinta County:

Commencing at a point on the southern boundary of the State of Wyoming where the section line running south from the northeast corner or Section five (5), Township twelve (12) North, Range one hundred twelve (112) West intersects said boundary of the State of Wyoming; thence north along section lines to the said northeast corner of Section five (5), Township twelve (12) North, Range one hundred twelve (112) West; thence along the third (3rd) standard parallel to the southeast corner of Section thirty-two (32), Township thirteen (13) North, Range one hundred twelve (112) West; thence north along section lines to the northeast corner of Section five (5), Township sixteen (16) North, Range one hundred twelve (112) West; thence along the fourth (4th) standard parallel to the south one-quarter corner of Section thirty-four (34), Township seventeen (17) North, Range one hundred twelve (112) West; thence north through the centers of sections and through one-quarter corners to the north one-quarter corner of Section three (3), Township twenty (20) North, Range one hundred twelve (112) West; thence along the fifth (5th) standard parallel to the south one-quarter corner of Section thirty-one (31), Township twenty-one (21) North, Range one hundred eleven (111) West; thence north through the centers of sections and through one-quarter corners to the north one-quarter corner of Section six (6), Township twenty-four (24) North, Range one hundred eleven (111) West; thence along the sixth (6th) standard parallel to the southeast corner of Section thirty-two (32), Township twenty-five (25) North, Range one hundred eleven (111) West; thence north along section lines to the northeast corner of Section five (5), Township twenty-eight (28) North, Range one hundred eleven (111) West; thence along the seventh (7th) standard parallel to the south one-quarter corner of Section thirty-four (34), Township twenty-nine (29) North, Range one hundred eleven (111) West; thence north through the centers of sections and through one-quarter corners to the north one-quarter corner of Section three (3), Township thirty-two (32) North, Range one hundred eleven (111) West; thence along the eighth (8th) standard parallel to the southeast corner of Section thirty-five (35), Township thirty-three (33) North, Range one hundred eleven (111) West; thence north along section lines to the northeast corner of Section two (2), Township thirty-six (36) North, Range one hundred eleven (111) West; thence along the ninth (9th) standard parallel to the south one-quarter corner of Section thirty-three (33), Township thirty-seven (37) North, Range one hundred ten (110) West; thence north through the centers of sections and through one-quarter corners to the north one-quarter corner of Section four (4), Township forty (40) North, Range one hundred ten (110) West; thence along the tenth (10th) standard parallel to the southeast corner of Section thirty-three (33), Township forty-one (41) North, Range one hundred ten (110) West; thence north along section lines to the northeast corner of Section four (4), Township forty-four (44) North, Range one hundred ten (110) West; thence along the eleventh (11th) standard parallel to the southeast corner of Section thirty-three (33), Township forty-five (45) North, Range one hundred ten (110) West; thence north along section lines to the southern boundary of the Yellowstone National Park; thence along the southern boundary of the Yellowstone National Park to the intersection of said boundary line of the said Yellowstone National Park with the western boundary of the State of Wyoming; thence south along the said western boundary of the State of Wyoming to the southwest corner of the State of Wyoming; thence east along the southern boundary of the State of Wyoming to the point of beginning.

SEC. 14. All that portion of the State of Wyoming embraced within the following described boundaries shall be known as Weston County:

Commencing at a point on the eastern boundary of the State of Wyoming where the same is intersected by a line projected east from the west one-quarter corner of Section thirty (30), Township forty-one (41) North, Range sixty (60) West; thence north along said eastern boundary of the State of Wyoming to a point on said boundary where the same is intersected by the township line between Townships forty-eight (48) and forty-nine (49) North; thence west along said township line to the northeast corner of Section five (5), Township forty-eight (48) North, Range seventy-six (76) West; thence south along section lines to the southeast corner of Section thirty-two (32), Township forty-five (45) North, Range seventy-six (76) West; thence along the eleventh (11th) standard parallel to the north one-quarter corner of Section five (5), Township forty-four (44) North, Range seventy-six (76) West; thence south through the centers of sections and through one-quarter corners to the center of Section twenty-nine (29), Township forty-one (41) North, Range seventy-six (76) West; thence east through the center of sections and through one-quarter corners to the point of beginning.

Recommendations.

The Legislature of 1909 made considerable progress in bringing the irrigation law of the State up to date. There are still some matters which should receive the consideration of the law-makers of Wyoming. The important principles are now very well defined by statute. Changes that should be made within the near future relate to details which are only covered in a general way at present by constitutional provisions. It is plain that the constitution provides for a complete supervision of the water resources of the State by the Board of Control. This would grow, the framers of the constitution anticipated, as conditions might warrant. The Legislature would naturally discover what the Board should do and enact laws carrying the constitutional provisions into practice. The first duty of the Board was manifestly to settle existing rights and then to protect those rights. The first State Legislature made some provisions along this line.

The irrigation law of the State now provides that rights which attach to lands may be abandoned by failure to use water thereon. The law does not specify how the cancellation of the right may take place. There is no procedure which might be followed by those who are injured by rights which are subject to abandonment, yet are not so declared. It would be a very simple matter to have a procedure before the proper division superintendent and then have him report to the Board where action might be taken and if those interested were not satisfied with the decision of the Board an appeal might be taken to the courts. The important thing is to get the facts on the ground and to make the initial proceedings as simple and as inexpensive as possible. The time has arrived when the Legislature should act in this matter.

The district law is very imperfect. As it stands it is a great inducement to speculators. It was not so intended. The law should not apply to any locality where the lands are unimproved at the time the district is proposed. Complete plans for the irrigation of the lands lying within the boundaries of the proposed district should be filed with the State Engineer and it should be impossible to organize the district unless the plans were good and the water supply adequate. The people of the district proposed should do business for themselves. There is no need for a company to conduct the affairs of the district. Whenever an irrigation company obtains the permits and does business for the district injury will be done the entire community. When the people of any locality desire to improve their own conditions, the district law applies as it was intended. Where a company comes in and takes advantage of the district law, the company rather than the people who are to use the water will be benefited. If the State Engineer reports to the people of the district that the water supply is inadequate, the people will listen. They do not want to build irrigation works merely for exercise and they have no reason for creating a debt on their lands simply to enable them to dig ditches and build reservoirs. A company, on the other hand, is less concerned as to the water supply. If it can place a bonded debt on the lands and collect the money that is raised by the bond issue, the settler can whistle for his water after the company has retired with what profit it is able to make.

The intent of our law would seem to limit the boundaries of districts to the lands that can be benefited. Regardless of this petitions have been made and districts actually formed which have boundaries that embrace lands whether or not they are included within the district. This is dangerous. If the land owner is not notified as to the plans of the district organizers his property may be included and a debt placed thereon regardless of his wishes. No lands should be included within the boundaries of districts except those that are voluntarily voted in. In other words, there should be no way to include lands within the boundaries of a district until the owners of such lands petition to come into the district.

All money raised by the issue of bonds should be deposited in some local bank, if possible. Some depository should be selected which will be subject to State inspection. The State should approve of the sale of bonds and some public officer should prevent any sale where speculation through discounts, or by other means, is threatened. The State should then see to it that the money raised by the bond issue is all put into works which will bring improvement to the irrigation system of the district.

If we must have the district law, it would seem best to have the control of that law in the State rather than in the counties. Boards of County Commissioners change every two years. The county officers are removed from the office of record of all water rights and there is no reason why the State should not handle all of this business. The district law as a whole is dangerous unless its application is limited to the people of the district and unless the area within the proposed districts has already been improved to some extent through settlement. This law should receive the earnest study of our law-makers. It had better be repealed than to stand in its present condition.

No one doubts but that something like the present district law would be of great value to communities which desire to improve conditions, because it enables the people to get together and raise money for works that are of mutual concern and advantage. The law should provide plainly for this and remove all possibility of the speculation that has been in progress under the existing law. Some of the districts that have been organized in Wyoming are all that could be desired. The intent of the law rather than the opportunity it affords for speculation has been observed where districts are now properly organized.

If the district law can be amended so that it will be safe, those carrying on the study for improvement should bear in mind that there are many places in the State where drainage is needed. The district law might be made to cover drainage as well as irrigation. It would be well to have but one statute of this kind if possible. The law should be broad enough to enable the people of any agricultural community to get together and bond their lands for mutual improvements, whether the locality needs improvements in its irrigation system or drainage.

The period fixed by law for abandonment of water rights is too long. A man can keep a water right for his lands alive by using the same one day every five years. It is difficult enough to prove abandonment when it only requires two years of non-use. The original statutes fixed two years for abandonment and the law stood for fifteen years without a single case being proven. The Legislature of 1905 passed a bill extending the period to five years. There was no argument in favor of this.

There were no reasons given for supporting the bill. It was enacted into law under a misconception and against the advice of the State Engineer. It was held that this law related to permits and that a man would abandon the right he might obtain under his permit if he was unable to complete his ditch and use the water within two years, the period of abandonment fixed by the original law.

The rights under permits have never been called water rights. They are water rights after water has been beneficially applied to the land under the terms of the permits and when the public recognizes this. The right under the permit is controlled by the State Engineer, who judges as to the time necessary for the construction of irrigation works and the period that will be needed to make beneficial application of water to the ground. The State Engineer is also authorized by law to extend the time if the holder of the permit should have good reasons therefor. The abandonment statute does not apply to rights under permits at all. Why should a man have a longer period than two years in which to loaf? Has any man a valid claim on the use of water when he does not use it for two consecutive years? Does the progressive farmer want to live in a community where his neighbors use water only one year in five? Does the progressive farmer feel that such neighbors are deserving of much protection at the hands of the public?

If there are any reasons why this period should have been increased from two to five years, no person has as yet come forward and given them to the public. Since in fifteen years no abandonments were declared under the original law, it would seem that there was no great cause for making this procedure more difficult.

It has been said by those who should know better, that the State has too much power and authority. It should be remembered that this fear was expressed when this office was first created. To make the office effective and yet prevent injury being done by unwise rulings, the law has been so framed that the State Engineer has been given administrative authority, while an appeal may be taken from every decision he makes. There is no other officer of the State, of any county or of any municipality of Wyoming who is placed in a similar position by the statutes.

Any person desiring to appeal need only to submit his case to the Board of Control, without formality of any kind. If dissatisfied with the decision of the Board, he can proceed to the courts. These provisions of the law are wise. They protect the public when the State Engineer is in error and they place a responsibility on that officer that he feels, because he knows that when he makes a decision, his work is likely to be reviewed and he may be reversed. The present State Engineer realizes that he is in a rather peculiar position when he compares the law governing his office with the statutes relating to other departments. He is glad that the irrigation law is framed as it is.

To decrease the initial authority of the State Engineer would make it necessasry for him to greatly limit his duties. He could not be of much value to the water user if the fundamental irrigation law is disturbed. There are, perhaps, a few people who would be pleased to have the State Engineer's duties limited to such work as is usually found in an office of record. This would place the State where it would have but little supervision over the public waters. Litigation would be common in the determination of water rights. Let it be remembered that Wyoming has, at the present time, scarcely an irrigation case in its courts. The only important case is an appeal from the Board of Control, wherein all of the work of the Board took place prior to the appointment of the present State Engineer, and the present Division Superintendents. Let those who would advise changes in the fundamental irrigation law of Wyoming study conditions and take warning at a tmie when the law may be strengthened rather than weakened. Nearly eight years ago the State Engineer said that if the existing law were properly safe-guarded and properly administered, litigation over water right claims would practically disappear. This was denied by those who hold up the laws and administrations of States like Colorado as an example for Wyoming to follow. We simply refer to the record of the past seven and one-half years. If the future brings about any change in conditions, such that a burden of litigation is placed on the water user, then this is because the State has willingly and voluntarily surrendered our streams and lakes—a public property—to those who have the financial strength to wage war on the helpless.

CONCLUSIONS.

In closing, the State Engineer desires to thank the Chief Executive of Wyoming for the uniform support that he has given this department. The sentiment of every officer connected with the administration of the water laws of the State is voiced in this expression of heartfelt appreciation.

Individually we are satisfied with what we have accomplished. We have performed all that has been possible in behalf of the public within the limits of our powers and capabilities. No man can have a more legitimate reason for entertaining a feeling of satisfaction than to know that he has done his best and to have the assurance that honest motives have prompted every act.

Permits to Appropriate Water Issued During the Two Years Ending November 30th, 1910

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
8364	1	Mary J. Marsden	Wagon Hound Creek	1.125	5	3	1	5.28	$ 200	72	1909
8665	1	Warren Live Stock Co., Fred E. Warren and W. W. Gleason	Pole Creek	1.75	5	3	2	2.50	....	426	1908
8666	1	Warren Live Stock Co., Fred E. Warren and W. W. Gleason	Pole Creek	2	5	3	2	2.50	....	378	1908
8667	1	Fremont Hot Springs Co.	Springs, Sec. 24, T. 30, R. 83	....	....	....	....	....	....	....	1911
8668	1	James Anderson	Antelope Creek	1.50	3	2	.5	5.28	100	100	1909
8669	1	W. S. Hamilton	La Bonte Creek	.50	4	3	1	6	400	17	1909
8670	1	W. S. Hamilton	Indian Creek	1	4	3	1	6	500	51	1910
8671	1	W. S. Hamilton	Indian Creek	.25	3	2	1	6	100	8	1909
8672	2	Henry Webb	Buffalo Creek	.284	3.5	2	1.5	15	40	12	1909
8673	2	Pete Aimonetto & Domenica Aimenetto	Oil Creek	1.511	4	3	1.5	15	225	120.78	1909
8674	2	Pete Aimonetto & Domenica Aimenetto	Oil Creek	.738	4	3	1.5	15	105	55.75	1909
8675	2	G. W. Van Wye	Lone Tree Draw Flood Waters	.25	5	3	1	5.28	40	22	1909
8676	2	G. W. Van Wye	Lone Tree Draw Flood Waters	.50	5	3	1	5.28	65	33	1909
8677	2	Etta M. Gose	Beaver Creek	1.50	4	....	2	10	400	157	1911
8678	3	M. F. Praetor	Sage Creek	1	3	2	.50	5 to 8	100	110	1910
8679	2	William Oliver	Horse Creek	1.25	6	4	1	5.28	150	40.3	1910
8680	2	Fred Crae	Lone Tree Draw	.25	4	3	1	....	90	15	1910
8681	2	Lewis Pike & Andrew B. Thomas	Dry Gulch, trib. Indian Spring Creek	3.50	7	5	1.25	4	1300	426	1911
8682	2	Lewis Pike & Andrew B. Thomas	Dry Gulch, trib. Indian Spring Creek	.375	7	5	2	5.28	200	....	1911
8683	2	N. J. Spencer	Dry Draw, trib. Bridge Cr.	.33	6	4	1	15	75	18	1909
8684	4	Washington Estate, by Margaret Chambers, Adm.	Luman Spring	.75	1	1	1	3	100	27.8	1909
8685	4	Washington Estate, by Margaret Chambers, Adm.	Luman Spring	.50	1	1	1	3	75	23.7	1909

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
8686	4	William Clark	Sublet Trail Creek	.25	4	2	1	15.84	100	70	1910
8687	4	William Clark	Horse Creek	.75	4	2	1	21.12	375	160	1910
8688	4	William Thompson	South Fork of Birch Cr.	.50	3	1	1	6	50	35	1909
8689	4	William Thompson	Birch Creek	1	3	1	1	6	100	77	1909
8690	4	Joseph Chase	South Cottonwood Creek.	1.125	6	4	1	6	400	240	1909
8691	4	James B. Roberts	Twin Creek	1	3.5	3	.5	6	200	30	1910
8692	4	Emile Wolff	Spruce Springs	.25	1	1	1.5	40	10	3	1908
8693	4	Joseph Battendorff	Spread Creek	1.125	4	3	1	20	300	106	1910
8694	4	Walter Beachler	Beachler Creek	.75	3.5	3	.75	8	250	42	1910
8695	4	Walter Beachler	Beachler Creek	.50	3.5	3	.75	8	175	32	1908
8696	4	David, Christina & Elizabeth Muir.	Killpecker Creek Springs.	.50	4	3	1	7	100	140	1909
8697	4	David, Christina & Elizabeth Muir.	Killpecker Creek Springs.	1	4	2	1	6	100	81	1909
8698	4	David, Christina & Elizabeth Muir.	Killpecker Creek Springs.	.50	3	2	1	5	50	59	1909
8699	4	David, Christina & Elizabeth Muir.	South Cottonwood Creek.	6.5	8	5	2	5	1200	727	1909
8700	4	Henry L. Budd & Wm. E. Mills	Spring Creek	2.25	5	8	1	5	500	223.09	1909
8701	2	Cora E. Bugher	Powder River	.875	4	3	.67	5.28	200	107	1909
8702	2	Daniel S. Jones	Powder River	.75	3	2.5	.5	5.28	525	38.5	1909
8703	2	Thomas Nefsy	Nefsy Draw, trib. Wind River	1.50	3	2	2	7.085	1000	225	1909
8704	2	Charles L. Schrutchfield	Middle Fork Badger Creek	1	6	4	1	5.28	150	44	1910
8705	2	Herbert B. Andrus	Pine Grove Gulch	.875	10	7	2.5	5.28	600	....	1909
8706	2	Herbert B. Andrus	Pine Grove Gulch	1.625	3	2	1	5.28	150	85	1909
8707	2	F. I. Clark	Fan Gulch	1.1	5	3	1	2.5	400	214	1909
8708	2	Thomas P. Wilson	Draws, trib. Powder River	.25	6	4	.5	10	50	45	1911
8709	2	Walter Patch & Willard West	Muddy Creek	1.25	6	4	1	10.56	250	123	1909
8710	2	H. H. Williams	Slater Creek flood waters.	1	5	3	1	5.28	150	27	1910
8711	2	Carroll J. Creswell	Spotted Horse Creek	.50	5	3	1	5.28	50	32	1911
8712	1	John E. Higgins	Hunton Creek	.375	7	4	1.5	2.64	100	....	1909
8713	1	Charles Swanson	Spring, trib. Gold Creek	....	......	......	....	....	25	....	1909
8714	1	David Nimmo	South Fork Bear Creek	.50	5.15	2	.80	5.28	50	35	1909
8715	1	Jesse C. Hubbs	Bear Creek	1.160	3.5	3	.5	5.28	50	148.5	1909
8716	2	Wilburt P. Keays	Surplus Water in Crazy Woman Creek	6	22	10	6	3	25000	10320	1912
8717	1	S. B. & Bert Dunlap	Red Oak Gulch	.50	4	2	1	8	100	106	1910
8718	1	S. B. & Bert Dunlap	Dunlap Gulch	.50	4	2	1	8	100	40	1910

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
8719	1	Bert Dunlap	Dunlap Gulch	1	4	2	1	8	100	96	1910
8720	2	Alfred Diefenderfer	Tongue River	2.50	.....	.....	.....	.....	150000	.....	1911
8721	3	B. H. Morrison & Ira McConaughy	Owl Creek	1.894	5	3	1	5	600	464.41	1911
8722	3	Mike Ward	Lake Creek	1	4	2	1	10	300	51	1909
8723	3	Mike Ward	Lake Creek	1	4	2	1	7.5	500	65	1909
8724	3	John T. Gilbert	One Mile Creek	1.25	4	3	1	10	400	119	1909
8725	3	Hannah Riddle	Canon Creek	3.5	6	5	1	10	1200	112	1911
8726	3	C. L. Erickson	Springs, trib. N. Fk. Owl Creek	.359	4	2	1	5	100	8	1912
8727	4	Katherine Reeves	Stradlem Creek	.75	2	[illegible]	.83	100	30	20	1910
8728	3	W. A. Lewis	Table Creek	2.50	4	2	1	natural	1000	100	1910
8729	4	Truman R. Hebdon	Miller Creek	1.33	3	2	1	13	50	27	1910
8730	2	Malcolm Moncreiffe	Branch of Mead Creek	.833	4	2	1	10	150	85	1910
8731	2	Malcolm Moncreiffe	Parker Fork of Mead Cr.	1.25	4	2	1	15	200	80	1910
8732	3	Anna Greenwald	Grey Bull River	.375	3	2	1	8	50	6	1909
8733	1	Lars Suderland	Lone Tree Creek	.252	2.5	2	1	10	100	13	1909
8734	1	Lars Suderland	Lone Tree Creek	.395	2.5	2	1	10	150	7	1909
8735	1	Lars Suderland	Lone Tree Creek	.465	2.5	2	1	10	130.	16	1909
8736	1	Lars Suderland	Lone Tree Creek	.465	2.5	2	1	10	150	19	1909
8737	1	Lars Suderland	Lone Tree Creek	.647	2.5	2	1	10	200	20	1909
8738	1	Lars Suderland	Lone Tree Creek	.559	2.5	2	1	10	200	14	1909
8739	3	W. C. Harned	Muddy Creek	1.44	5	4	1	5	225	139.31	1910
8740	3	George Sinclair	Sioux Creek	.75	3.5	2.5	1	10.4	200	53	1910
8741	3	Charles W. Herold	Owl Creek	.40	4	3	.5	5.3	100	22.5	1911
8742	4	Charles M. Larson, William Porter, Olive Porter & James Mansfield	Cottonwood Creek	3.05	6	4	1.5	7.92	300	619.49	1910
8743	4	Earl S. Daniels	Middle Piney Creek	1.50	4	2	1	6	150	.....	1909
8744	4	Stephen N. Daniels	Spring Creek	1	4	2	1	6	250	147	1909
8745	3	Manly and Ella Gwyn	Grass Creek	1.50	4	3	1	8	500	81	1910
8746	3	Manly and Ella Gwyn	Grass Creek	1.50	4	3	1	8	300	141	1909
8747	3	William C. Morton	Gooseberry Creek	3	5	3.5	1.5	7	700	226	1911
8748	3	William Ferriss	Red Creek	1.2	5	3	1	5	500	160	1911
8749	3	Martin Ranmael	Lodge Pole Creek	.75	3	2	1	6.33	250	65	1909
8750	3	Cross and Harrison Sheep Company	Muskrat Creek	3.5	.....	.....	.....	14	2500	592	1910
8751	3	John Laurie	Beaver Creek	1.5	5	3	1	6.5	900	141	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
8752	4	Edward H. Holden	Darby or Good Fellow Cr.	2.15	3	2	1.17	5.28	500	160	......
8753	4	C. A. Showers	Birch Creek	2.65	2.5	1.5	.7	7.92	50	155.5	1910
8754	4	C. A. Showers	Small Spring	....	....	....	....	....	....	....	1909
8755	4	Earnest G. Vibrans	Spring Creek	.25	1.5	1	.5	21.12	100	20	1909
8756	4	William H. and Martha E. Taylor	Little Cottonwood Creek	2.25	8	6	1.50	5	300	625	1910
8757	1	Eugene Rizzi	Springs, Sec. 15, T. 28 N., R. 100 W.	.50	3	1	1	10.56	100	18	1909
8758	1	Charles W. Honold	Spring Creek	.50	4	2	1	10	100	132	1909
8759	1	Richards Brothers	Gibson Springs, Sec. 33, T. 25, R. 78.	.10	2	1	.50	25	20	.5	1909
8760	1	Mrs. Laura E. Frederick	Sweetwater River	2.38	7	4	1.5	2.6	350	234	1910
8761	1	Leo Bartagnolli	Slaughter House Gulch	1	4	2.5	1	10.56	300	58	1910
8762	1	Wm. A. Taylor	Deadhead Creek	1	5	3	1	7.8	100	45	1909
8763	1	L. L. Giessler	Willow Creek	.852	5	3	1	4.42	300	160	1911
8764	1	H. P. Hansen	Troublesome Creek	1.1	3.6	2	.8	5	110	124	1909
8765	1	H. P. Hansen	Troublesome Creek	.63	1.5	1.5	.8	3	100	34.5	1909
8766	1	William Atkinson	Atkinson Creek	.375	2	1	1.5	10	15	7.2	1909
8767	1	William Atkinson	South Atkinson Creek	.25	2	1	.50	10	10	2.2	1909
8768	1	J. S. Hosack	Spring, Sec. 25, T. 13 N., R. 70 W.	.170	5	2	.80	10.56	50	2.5	1909
8769	1	J. S. Hosack	Duck Creek	1.20	5	2	.8	10.56	150	47	1909
8770	1	J. S. Hosack	Spring, Sec. 2, T. 12 N., R. 70 W.	.40	5	2	.8	10.56	100	30.5	1909
8771	1	J. S. Hosack	Spring, Sec. 2, T. 12 N., R. 70 W.	.58	5	2	.8	10.56	100	34.50	1909
8772	1	J. S. Hosack	Spring, Sec. 2, T. 12 N., R. 70 W.	.25	5	2	.8	10.56	30	8	1909
8773	1	George & Cora B. Reynolds	North Casper Creek	2.15	12	6	3	8	2000	362	1910
8774	1	George & Cora B. Reynolds	North Casper Creek	.3	6	4	1	4	100	76	1910
8775	1	George Marsh & Perry Braziel	Horse Creek	6	14	10	2	2.11	500	560	1909
8776	1	Union Pacific Railroad Company	Rock Creek	14.25	....	....	....	....	94000	R. R purp.	1909
8777	1	R. E. Gray	Gray's Run, trib. Sybille Creek	1.25	3	1.5	1.5	10	200	80	1909
8778	1	R. W. Griswold	Jaw Bone Spring	....	....	....	....	....	....	....	1909

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
8779	1	Francis M. Van Ortwick	North Spring Creek	1	4	3	1	11	320	55.2	1910
8780	2	Edward Lytle	Pole Creek	.75	2.5	2	.50	20	150	45	1910
8781	2	Howard Cooper	Flood Gulch, trib. Powder River	1.85	4.5	3	1	10	150	149	1910
8782	3	A. L. Dennler	Lime Kiln Springs, trib of Badwater Creek	.80	4	3	1	10.56	100	36	1910
8783	2	Fred Crae	Dry Gulch, trib. S. Beaver Creek	.25	4	3	1	....	100	30	1910
8784	2	Malcolm Moncreiffe	East Branch Cruse Creek	.3	3	2	.4	25	100	....	1909
8785	3	George H. Keyes	Springs, Sec. 1, T. 56 N., R. 95 W.	.50	4	3	1	8	200	19	1909
8786	3	Vincenzo Maccario	Spring, Sec. 18, T. 32 N., R. 99 W.	.50	3	2	1	10	75	14	1909
8787	3	Edward H. Heavey	Rock Creek	2.75	3.25	2.25	1	10	300	213	1910
8788	3	A. J. Olson	Wind River	.90	4.25	3.50	1	6	450	110.46	1910
8789	3	A. J. Olson	Muddy Creek	1	4	3	1	8	300	44	1909
8790	3	W. F. Johnson, et al.	Elk Creek	1.50	5	3	1	2.50	500	108	1912
8791	3	W. F. Johnson	Elk Creek	1.6	8	4	1	4	4000	473	1912
8792	3	W. F. Johnson	Elk Creek	2	10	4	1.5	4	500	844	1912
8793	3	W. F. Johnson	Elk Creek	3.5	8	4	1	4	4500	440	1912
8794	3	Frank D. & Cora Helmer	Tough Creek	1.75	4	3	1	10.56	250	198	1910
8795	4	W. H. Taylor, G. M. Winkelman & S. J. Brawley	South Horse Creek, South & North Cottonwood Creeks	5.7	25	15	5	2.5	30000	21290.25	1913
8796	4	W. H. Taylor, G. M. Winkelman & S. J. Brawley	South Horse Creek, South & North Cottonwood Creek and Killpecker Creek	16.4	40	30	5	2	65340	....	1913
8797	4	W. H. Taylor, G. M. Winkelman & S. J. Brawley	Muddy Creek, North and South Cottonwood Crs. & South Horse Cr.	11.9	22	14	4	2.5	47064	13501.86	1913

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
8798	4	W. H. Taylor, G. M. Winkelman & S. J. Brawley	North Piney Creek	8	35	25	5	2.5	63360	30385.56	1913
8799	4	E. J. Thomas	Ham's Fork Creek	.75	5	3	1	10	100	40	1910
8800	4	Dorothy M. Carter	Branch of Beaver Creek	.075	1.25	1	.8	6	5	25	1909
8801	4	Dorothy M. Carter	Branch of Beaver Creek	.183	1	.8	.6	6	10	20	1909
8802	4	Isabelle Jamieson	Camp Creek	1	2	1.5	variable	8	200	20	1909
8803	4	Isabelle Jamieson	Pine Tree Creek	.50	2	1.5	variable	8	100	19	1909
8804	4	George W. Dutson	Hanson Creek	.188	3	1	.5	12	20	6	1909
8805	4	J. Pierce Cunningham	Brush Creek	.75	2	1.5	1	12	100	40	1910
8806	4	Earl S. Daniels	Red Canon Creek	1.25	3	2	1	5	200	120	1909
8807	4	Kemmerer Coal Company	Willow Creek	.7	......	......	......	......	2600	......	1909
8808	4	Kemmerer Coal Company	Spring No. 1, trib. Willow Creek	.167	......	......	......	......	1000	......	1909
8809	4	Kemmerer Coal Company	Spring No. 2, trib. Willow Creek	.2	......	......	......	......	250	......	1909
8810	4	Kemmerer Coal Company	Spring No. 3, trib. Willow Creek	.2	......	......	......	......	250	......	1909
8811	4	Kemmerer Coal Company	Spring No. 4, trib. Willow Creek	.2	......	......	......	......	900	......	1909
8812	4	Edson Parmenter	Miller Creek	.75	3.5	3	.75	8	250	48	1910
8813	4	William Julian	Collett Creek	.75	3	2	variable	8	300	31	1910
8814	4	William Julian	Collett Creek	.75	3	2	variable	8	800	50	1910
8815	4	Sarah A. Hibben	North Piney Creek	2	6	4	1	5	850	197	1909
8816	4	Sarah A. Hibben	Spring Creek	1.5	4	2	.67	5	150	96	1909
8817	4	Sarah A. Hibbens	Muskrat Springs	.6	4	3	1	5.28	100	53	1910
8818	4	Herbert Beachler	Springs, Sec. 26, T. 23 N., R. 116 W.	.33	3	2.5	1	16	125	13	1909
8819	3	Mrs. C. Sanders	Big Horn River	.50	3	1	1	2.64	50	34.28	1909
8820	3	Hyrum Perry	Whistle Creek	2	3	2	1	5	500	80	1909
8821	3	Lincoln Land Company, Neils Schow and Wm. A. Foot	Wiard Creek	2.75	4	3	1.50	5	1200	398	1909
8822	4	Thomas Welch	Burnt Fork Creek	2	6	5	1	8	800	162	1909
8823	4	William M. Beach	Spring, Sec. 17, T 12 N., R. 111 W.	1	.5	.3	.2	60	25	......	1909

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
8824	4	William C. Hanks	Two small springs, Sec. 9, T. 12 N., R. 112 W.	.87	1	.5	.3	50	25	....	1909
8825	4	Uinta Development Co., George F. Chapman, Pres.	Antelope Spring	....	....	....	....	....	50	....	1909
8826	4	Uinta Development Co., George F. Chapman, Pres.	Shurtliff Spring	....	....	....	....	....	50	....	1909
8827	4	Uinta Development Co., George F. Chapman, Pres.	Butcher Knife Spring	....	....	....	....	....	100	....	1909
8828	4	Uinta Development Co., George F. Chapman, Pres.	Meadow Spring	....	....	....	....	....	50	....	1909
8829	4	Uinta Development Co., George F. Chapman, Pres.	Coyote Spring	....	....	....	....	....	50	....	1909
8830	1	J. Blankenship	Dry Laramie River	5	7	4	1.5	20	300	81	1910
8831	1	Adella M. Babbitt	Bear Creek	2	4	4	1	5	300	240	1909
8832	1	John Tobin	Bates Creek	2.66	8.5	4	1.5	5.28	800	638	1911
8833	1	Roland B. Gray	Spring Creek	.25	3.5	2.5	1	10.5	25	7	1909
8834	1	Roland B. Gray	Spring Creek	.50	5	3	1	10.5	50	20	1909
8835	1	Roland B. Gray	Spring Creek	.25	3.5	2.5	1	10.5	25	9	1909
8836	2	Fortes N. King	Dry Creek	1.546	6	4	1	10	214	213.5	1909
8837	2	John A. Dodd, Fountain C. & Martha King	Lone Tree Creek	2.50	6	4	1	5	300	201.5	1911
8838	2	John A. Dodd, Fountain C. & Martha King	Lone Tree Creek	2.26	6	4	1	5	300	450.14	1911
8839	2	L. L. and Gertrude Zing	Floodwater, trib. Dead Man Creek	1.25	5	3	1	5.28	120	49	1909
8840	2	I. D. Perkins & L. A. Webb	North Fork Powder River	3	7	5	1	5.28	2000	220	1912
8841	2	C. H. Babcock	North Fork Crazy Woman Creek	1	3	2	.75	25	125	47.8	1909
8842	2	John, Martin & Mrs. Ann Nefsy	Inyan Kara Creek	4	8	6	3	10	2000	683	1911
8843	2	A. M. Sims	Rat Creek	.25	4	3	.50	10	60	9	1909
8844	2	A. M. Sims	West Fork Rat Creek	.50	4	3	.50	10	100	23	1909
8845	2	A. M. Sims	East Fork Rat Creek	.25	4	3	.50	10	60	9	1909
8846	2	A. M. Sims	East Fork Rat Creek	.25	4	3	.50	10	60	20	1909
8847	2	O. P. Witt	Mouse Cr., trib. Rat Cr.	.375	4	3	.50	10	75	20.5	1909
8848	2	O. P. Witt	Mouse Cr., trib. Rat Cr.	.25	4	3	.50	10	60	19	1909

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
8849	2	O. P. Witt	Mouse Cr., trib. Rat Cr.	.25	4	3	.50	10	60	10.5	1909
8850	2	John H. Grove	Sand Cr. Draw, trib. Belle Fourche River	.341	5	3	1	5	100	132.12	1910
8851	4	Standard Meat & Live Stock Co.	Warfield Creek	.75	3.5	3	1	8	150	48	1910
8852	4	James Inglefield	Spring, Sec. 13, T. 17 N., R. 112 W.	.25	1.5	1	.4	3	25	12	1909
8853	4	Alonzo Coffin	Spread Creek	1.25	4	3	1	15	200	142.15	1911
8854	4	William J. Kelly	Pacific Creek	.50	4	3	1.50	13.67	1000	75	1910
8855	4	A. Michelli, H. Erickson, L. E. Johnson and C. J. Berg	Blacks Fork River	3	4.5	2	1.25	7.92	100	600	1910
8856	4	Rudolph Harold	Spread Creek	1	4	3	1	13.33	200	154	1911
8857	4	John Douglas Pederson	Gros Ventre River	8.7	11.6	7	2.3	6.34	6000	3480	1912
8858	3	Milo Burke, Alex McDonald, Mrs. G. W. Richardson, L. A. Zane & W. W. Peay	Porcupine & Trout Creeks	3	27	15	6	5.28	150000	....	1913
8859	3	Milo Burke, Alex McDonald, Mrs. G. W. Richardson, L. A. Zane & W. W. Peay	Porcupine Creek & Flood waters of Trout Creek	12	30	20	5	2.5	40000	27688.16	1913
8860	3	Milo Burke, Alex McDonald, Mrs. G. W. Richardson, L. A. Zane & W. W. Peay	Porcupine Creek & Flood waters of Trout Creek	.5	15	8	3	2.5	5000	....	1913
8861	3	Floyd E. Valleau	Cottonwood Creek	.75	4	2	1	5.3	175	32	1910
8862	3	Olive York	York Spring, Sec. 7, T. 32 N., R. 99 W.	2.3	3.5	1.5	.67	12	800	5	1911
8863	3	Samuel P. Staples	North Fork Mud Creek	1.25	6	4	1	5	150	89	1911
8864	3	Roann Threet	Sand Creek, trib. Shoshone River	1.25	3.5	2	1	5	200	35	1909
8865	3	South Side Canal Co., Geo. W. David, Agt.	Owl Creek	4.92	12.8	8	1.6	5.3	4250	1701	1911
8866	3	Warren Rema & J. Rogers	Crow Creek	2	5	4	1	8	500	108	1911
8867	3	William H. Collins	East Meadow Creek	.41	3	2	1	10.56	100	15	1911
8868	3	Amanda Nostrum	Owl Creek	.75	6	4	1	5	200	57	1911
8869	3	Eugene McElwee	North Fork Mud Creek	1	6	4	1	5	150	74	1910

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
8870	3	O. C. Morgan	Slick Creek	1.2	5	3	.5	2.112	75	115	1911
8871	3	O. C. Morgan	Slick Creek	2	5	3	.5	2.112	125	122	1911
8872	3	James L., Wm. L. & Thomas Duncan	North Fork Wind River	2.50	8	5	1.5	6	6000	1305	1911
8873	3	Kate I. Hartenstein	Springs, Sec. 29, T. 51 N., R. 102 W.	1	2	1	.50	7	100	20	1909
8874	1	G. S. Speer	Four Mile Creek	.77	12	6	2	9.5	410	....	1909
8875	1	Wm. Attebury	Dry Laramie Creek	1	10	7	2	5.28	500	....	1909
8876	4	George H. Perkins	Cella Spring, Sec. 5, T. 34 N., R. 118 W.	.375	.50	.41	.5	.044	20	....	1909
8877	3	David M. Richmond, Charles I. Herbage and Floyd E. Valleau	Cottonwood Creek	3.52	5	3	1	10.6	....	175	1911
8878	1	Sarah Nora West	Lone Tree Creek	.50	4	2	1	10.4	50	8	1909
8879	1	Sarah Nora West	South Fork Fish Creek	1	5	3	1	10.4	60	33.1	1909
8880	1	Sarah Nora West	South Fork Fish Creek	.75	5	3	1	10.4	40	28	1909
8881	1	Albert L. Bishop, Jr.	Fork of Sheep Creek	1.77	4.5	4	1	8	500	206.1	1911
8882	1	Lillias M. Bishop	Boulder Creek	.85	3	2.5	1	8	300	84.2	1911
8883	1	George D. Bishop	2 Cabin Creek	.57	3	2.5	1	6	200	56.1	1911
8884	1	A. A. Roberts, George D. Bishop & L. R. Woodward	Pass Creek	3.27	6	5.5	1	8	1200	537.2	1911
8885	1	A. A. Roberts & George D. Bishop	Pass Creek	.97	3	2.5	1	5.25	300	84.7	1911
8886	1	Nathan Bagley	Antelope Creek	.50	5	2.5	1	10.4	50	30	1909
8887	1	Henry Bernhard	Luman Creek	1	3	2	1	7	50	9	1909
8888	1	John T. Snow	Rawhide Cr. & Tributaries	5	14.5	9.5	2.5	4	13200	1362	1912
8889	1	Matt Nelson	Medicine Bow River	.80	2	2	1	2.5	200	42.2	1909
8890	1	Matt Nelson	Medicine Bow River	.60	2.5	2	1	3	200	104	1909
8891	1	W. J. Sherbno	Spring Creek	.50	4	2	1	5.28	40	23	1911
8892	1	W. J. Sherbno	Spring Creek	1	4	2	1	5.28	80	34	1911
8893	1	William Wilson	House Gulch	.50	3	2	16	7	100	28	1910
8894	4	W. D. Thompson	Little Sandy River	5.75	4.5	4	1	3	1250	253.6	1912
8895	1	Warren Live Stock Company	Horse Creek, Spring Creek and Trail Creek	12.5	9	3	3	5.28	9000	....	1909
8896	1	C. F. McFarland	Dry Gulch or Creek	.44	5	3	1	5.28	100	34	1912
8897	1	C. F. McFarland	Gulch, trib. North Platte River	.25	6	4	1	6	50	13.8	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
8898	1	C. F. McFarland	Gulch, trib. North Platte River	.125	3	2	.5	5.28	10	....	1912
8899	1	Martin Gross	South Willow Creek	.8	5	3	1	5.28	150	98.8	1911
8900	2	Daisy Muller	Flood waters of Dry Cr.	2	6	4	1	10	1000	80	1909
8901	2	Ray Wellman	Draw, trib. Belle Fourche River	2.5	10	6	2	6	1000	284	1912
8902	2	Leroy & Royal D. Salisbury	Inyan Kara Creek	4.27	7	.4	1.5	2.5	5000	513.27	1910
8903	2	Nellie P. Oberreich	Little Youngs Creek	.75	5	3	1	10	50	27	1909
8904	2	Willard West	Springs, trib. Muddy Cr.	.50	3	2	.50	10.56	100	28.5	1909
8905	2	Willard West	Spring No. 1, trib. Muddy Creek	.50	3	2	.50	10.56	100	33.4	1909
8906	2	Arthur W. Walgren	Green Mountain Springs in Sec. 10, T. 48 N., R. 62 W.	.720	2	3	1.5	15	75	6.75	1909
8907	4	Union Pacific Railroad Company	Little Creek	14.95	......	......	....	....	150000	....	1910
8908	4	Truman R. Hebdon	Spring, Sec. 12, T. 34 N., R. 119 W.	.063	1.5	1	.833	13	5	4	1909
8909	4	Samuel T. Stark	Silver Creek	.35	3	2	1	20	150	60	1910
8910	4	Felix Schiestler	Springs, Sec. 6, T. 24 N., R. 104 W.	.25	3	2	.50	2.5	100	15	1909
8911	4	Ephraim Harris	Sulphur Creek	1.75	4	2	1	8.5	500	80	1911
8912	4	Sarah A. Luckey	Beaver Creek	2.25	2.5	1.5	1	10	100	284	1911
8913	3	H. R. Fuller	Big Wind River	5	11.5	9	2	2.5	10000	1547	1912
8914	3	Eric Calling	Shot Gun Creek	1.42	4	3	1	10.56	500	81	1911
8915	3	M. Chamberlin	Traill Creek	.50	2	1	1	10.56	50	20	1910
8916	3	M. Chamberlin	Springs, Sec. 2, T. 53, R. 103	.25	1	1	.50	5	100	5	1910
8917	3	Joseph & C. E. Blonde	Willow Creek	2.26	7.4	2	1.8	5.3	3200	118	1912
8918	3	Joseph & C. E. Blonde	Willow Creek	5.91	6	3	1	15.3	1500	828	1912
8919	1	Lena Speyerer	Willow Creek	2.30	8	6	1.5	10.5	550	174	1910
8920	1	Lena Speyerer	Willow Creek	.40	4	3	1	8.5	65	7	1910
8921	1	Lena Speyerer	Willow Creek	1.76	......	......	....	....	480	167	1910
8922	1	Charles C. Hurry	Iron Creek	2	6	4	1	8.45	600	160	1912
8923	1	Henry Noll	Dry Fork of Sand Creek	.25	5	3	1	10	50	25	1911

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
8924	1	Mrs. Dora Knott	Dickerson Draw, Sec. 29, T. 27, R. 63	.75	3	1	1	5.28	150	78.5	1912
8925	1	Mrs. Dora Knott	Dickerson Draw, Sec. 29, T. 27, R. 63	.75	3	1	1	5.28	150	101	1912
8926	1	Dorsey M. Kerr	Muddy Creek	1.5	3	2.5	1	8	250	33.4	1910
8927	1	Jack Shaw	Hurt Gulch, Sec. 5, T. 25, R. 83	1.75	3	2	1.5	10	200	31	1911
8928	1	Jack Shaw	Shaw Springs, Sec. 5, T. 25, R. 83	1.75	3	2	1.5	10	175	31	1911
8929	1	Richard Savage	North Platte River	2.25	8	6	1.5	5.28	8000	336	1912
8930	1	J. F. Soule	Five Mile Creek	1.32	2.5	2.5	1	5	200	151	1910
8931	2	William Werner	Cheyenne River	1	15.5	8	2.5	2.64	400	699	1911
8932	2	William Werner	Cheyenne River	.80	20	12	4	2.64	1000	699	1911
8933	2	Hattie A. Taylor	Rasmussen Draw, Sec. 3, T. 56, R. 83	.50	5	3	1	5.28	75	48	1910
8934	2	Jesse & Harry Boner	Draw, trib. Blacktail Cr.	.75	5	8	1	2.5	125	23.5	1909
8935	2	Flynn Sheep Company	Wind River	.625	5	3	1	5.28	100	23	1909
8936	3	Frank E. Martin, Z. R. Moses & Myron Walker	Big Horn River	5.35	7	5	1	2.64	2500	804.47	1911
8937	3	John C. Prante	Paint Creek	1	4	2	1	natural	100	65	1910
8938	3	George W. McClain	Spring, Sec. 22, T. 53 N., R. 100 W.	....	....	....	....	....	....	....	1909
8939	4	Conrad Rasmussen	Smith's Fork Creek	.75	2.5	1	1	8	25	200	1909
8940	4	Abigail J. Reynolds	Little Duck Creek	.62	6	4	1	2	75	130	1910
8941	4	Abigail J. Reynolds & Mrs. M. I. Reynolds	Little Duck Creek	3	6	4	1	4	200	185	1911
8942	1	Warren Live Stock Company	Lone Tree & Duck Creeks	1.75	6	8	1.5	5.28	800	....	1910
8943	1	Warren Live Stock Company	Duck Creek	.25	10	6	2	10	300	....	1910
8944	1	Eugenia R. Hall	Collins Cutoff Creek	1	4	2	1	10.4	150	113.3	1910
8945	1	Dora M. Leach	Cooney Creek	.25	5	3	1	10	50	10	1910
8946	3	Willard T. Lovell	Willow Creek	1.150	....	....	....	....	3500	....	1910
8947	3	James H. Branham	Owl Creek	.87	5	3	1	5.3	225	123	1911
8948	3	Simon Snyder	Hunter Creek	1	3	2	1	natural	800	80	1910
8949	3	Carl O. Thomsen	Gulch, Sec. 34, T. 51, R. 101	1	4	3	1	6.67	250	110	1911

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
8950	3	Bruce Murphy, Robert H. Baird, John William Morton and James Speers	Gooseberry Creek	4.25	6	5	1.5	8	500	546	1910
8951	2	Peter Nelson	Robinson Draw, Sec. 5, T. 55, R. 84 W.	1	4	2	1	10	50	25	1909
8952	2	Christ Ruffing	Dry Draw, trib. Old Woman Creek	.47	6	4	1	2.5	100	85	1911
8953	2	Christina Thomas	Dry Draw, trib. Old Woman Creek	.64	5	3	1	2.5	200	95	1912
8954	2	Christina Thomas	Dry Draw, trib. Old Woman Creek	.47	5	3	1	53	200	56	1912
8955	2	Christina Thomas	Dry Draw, trib. Old Woman Creek	.42	5	3	1	2.5	100	29	1910
8956	3	Thomas M. Pinch	Alkali Creek	3.625	6	4	1	6.66	750	250	1912
8957	2	Colin R. Williams	Cedar Creek	.75	8	6	2	5.2	1600	80	1910
8958	2	Colin R. Williams	Fence Creek	.25	5	3	2	5.2	200	50	1910
8959	2	Colin R. Williams	Fence Creek	.625	7	5	2	5.2	350	103	1910
8960	2	Fortes N. King	Dry Gulch, Sec. 30, T. 58 R. 62	1.849	5	4	1	5.2	250	99	1912
8961	2	Elmer Shepperson	Dry Gulch, Sec. 8, T. 49, R. 63	.228	3	2.5	1	5.2	90	8	1911
8962	2	Elmer Shepperson	Dry Gulch, Sec. 8, T. 49, R. 63	.60	3	2.5	1	5.2	60	7	1911
8963	2	George H. Snodgrass	School Sec. Spring, Sec. 16, T. 40 N., R. 81 W.	.875	5	3	1	5.28	125	127	1912
8964	2	Minnie Nash	Rock Draw, trib. Coutant Creek	.75	7	5	1	10.56	175	130	1911
8965	3	J. C. Nichols	North Fork Shoshone R.	2.5	5	3	1	5.28	825	55	1912
8966	3	Allen Axe	Alkali Spring, Sec. 29, T. 15, R. 6E	.284	1	1	.833	.833	500	....	1911
8967	2	Sidney B. Thomas	South Redwater Creek	.440	2	1.5	1	....	150	29	1910
8968	3	Wm. K. Carson & Otto Luepke	Big Wind River	1.04	5	3	1	4	250	23	1911
8969	3	Ira J. Jenkins & Peter Westman	Big Wind River	2	8	5	1.5	5.28	800	239	1912
8970	3	Isaac E. Harris & John J. Boyle	Kirby Creek	1.65	5.4	3	1.2	5.3	250	119	1910
8971	3	Bighorn Sheep Company	Badwater Creek	2.8	4	3	.5	10	880	57	1910

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
8972	1	W. S. Swearingen	Little Cottonwood Gulch.	2.125	3	2	1	5.28	250	120	1911
8973	1	John H. Gordon	Crow Creek	1.5	9	6	2	3.7	300	638	1910
8974	1	Fred O. Gibbs	Dugout Creek	1.25	3	2	1	15.84	100	45	1910
8975	1	Fred O. Gibbs	Dugout Creek	....	3	2	1	15.84	75	78	1910
8976	1	G. S. Clayton	East Fork Vernon Creek.	.375	5	3	1	5	100	....	1910
8977	1	John Klassert	Hunton Creek	.75	5	3	1	29	150	38	1910
8978	1	John O. Jones	Warm Spring Creek	1	5	3	1	7.39	300	47.5	1910
8979	1	William Rice	Dry Creek	2	4	3	1	3.5	750	154.6	1910
8980	1	William Rice	Dry Creek	.9	4	3	1	3.5	225	31.0	1910
8981	1	Donahue Brothers	Little Horse Creek	1.3	5	3	1	5.28	550	106	1910
8982	1	John O. Jones	Warm Spring Creek	.50	5	3	.833	7.39	100	28.1	1910
8983	1	Mary Looker	Hunton Creek	.25	4	3	1	10.4	25	15	1910
8984	1	Mary Looker	Hunton Creek	1	5	3	1	10.4	150	57	1910
8985	1	G. Ryff	Hunton Creek	1	5	3	1	10.4	100	78	1910
8986	1	G. Ryff	Hunton Creek	.25	4	3	1	10.4	25	11	1910
8987	1	Augusta Adams	South Casper Creek	.4	6	4	1	4	100	168	1911
8988	1	Augusta Adams	South Casper Creek	2.8	12	6	3	7	2000	....	1911
8989	1	Eoline Hudson	Fish Creek	.701	6	3	1	5	100	67.22	1910
8990	1	Henry C. Miller	Douglas Creek	.50	8	5	1.5	5.28	140	105.5	1910
8991	1	Ted Kahler	Sweetwater River	2	6	3	1	3	500	219	1911
8992	1	David Johnson	West Cooper Creek	.25	1.5	1	.5	10	75	7.5	1910
8993	1	David Johnson	Cooper Creek	.152	1.5	1	.5	10	50	7	1910
8994	1	Mrs. David Johnson	Sheep Creek	.047	1.5	1	1	15	15	2	1909
8995	1	C. P. Sheehan	Quaking Asp Creek	1	4	2	1	15	150	69	1912
8996	1	Southern Wyoming Power Co., H. C. Taylor, President	Laramie River	3.2	5.66	5.66	4	4	32000	....	1911
8997	4	W. S. Holmes, John R. Mann & John T. Cullen	Green River	7.75	5	3.5	1.67	3.5	2000	908	1912
8998	1	Henry V. Johnson	East Cottonwood Creek.	1.5	6	3	1	25	500	25	1910
8999	1	John S. Pearson	Spring, Sec. 24, T. 29 N., R. 83 W.	.152	2	1	.5	8.6	50	5.60	1909
9000	1	John S. Pearson	Spring, Sec. 24, T. 29 N., R. 83 W.	.103	2	1	.5	8.6	50	7.75	1909
9001	3	H. K. Sweeney	Dry Fork of Medicine Lodge Creek	2.5	8	6	1	10	1000	543	1910

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9002	3	H. K. Sweeney	Trapper Creek	.6	6	5	.5	50	1000	543	1910
9003	3	Roy Niccolls	East Fork No Water Cr.	3.1	10	6	2	20	1000	744	1911
9004	3	Roy Niccolls	No Water Creek	4.7	11	5	1.5	20	1500	517	1911
9005	3	John E. Ricketts, Everetta E. Ricketts and Lulu E. Johnston	Bennett Creek	.322	6	4	1.5	10	200	....	1910
9006	3	George & Hattie J. Teeples	Gypsum Creek	2.25	3.5	2	1.5	5	750	256	1909
9007	3	Harry S. Cover & Mrs. L. C. Cover	Jones Creek	2.80	5	2	1.5	21.1	650	176	1912
9008	3	William H. Mahaffey	Badwater Creek	.75	4	3	1	8	200	31	1911
9009	3	J. B. Bradley	Dry Creek	.77	5	3	1	5.28	250	29	1910
9010	3	The Town of Shoshoni, Wyoming	Big Horn River	3.70	....	....	....	....	35000	....	1911
9011	3	Warren T. Tucker	Big Horn River	.55	....	....	....	....	2000	39	1911
9012	3	Bennett Barnett & Lee McKinney	Chrystal Creek	1.25	4	3	1	5.28	....	227	1909
9013	2	John G. Bunney	North Fork of Hay Creek	1.5	3	2	1.5	5.28	300	175	1909
9014	1	W. B. Cameron & Arthur Levan	North Spring Creek	3.9	22.5	12	3.5	2.64	17000	....	1911
9015	2	Elphraid Rowland	Baety Gulch, Sec. 36, T. 57 N., R. 84 W.	1.25	5	3	1	10.28	180	93	1911
9016	2	Frank V. Watt	Box Elder Forks	.549	12	4	2	10	400	148.53	1910
9017	2	James Stirling & Frank Douglas	West Fork Hay Creek	.092	6	4	1	5	25	119.40	1910
9018	2	James Stirling & Frank Douglas	West Fork Hay Creek	.686	6	4	1	5	400	119.40	1910
9019	2	James Stirling & Frank Douglas	Hay Creek	.534	5	3	1	20	150	430.20	1910
9020	2	C. P. Meek	Lodge Pole Creek	.253	5	3	1	5	140	47	1910
9021	2	C. P. Meek	Sage Creek	3.073	9	6	1.5	5	500	234	1910
9022	2	Roy Voiles	Cedar Draw, trib. Prairie Dog Creek	.5	5	3	1	10.56	60	60	1910
9023	2	Nicholas P. Kohl	North Prong Arkansaw Creek	.75	5	3	1	5.28	100	45	1910
9024	2	Flora M. Kohl	North Prong, S. R. Creek	.50	5	3	1	5.28	75	37	1910
9025	2	A. L. Storts	Spring, Sec. 23, T. 52 N., R. 65 W.	.108	....	....	....	....	450	2.31	1910
9026	2	Christopher C. Bugher	Powder River	.25	4	2	1	10.56	100	15.7	1910
9027	2	Mary E. Kelley	South Fork Six Mile Cr.	1	3	2	.5	10.56	30	29	1910
9028	2	Mary E. Kelley	North Fork Six Mile Cr.	.50	3	2	.5	10.65	25	28	1910
9029	2	Mary E. Kelley	South Fork Six Mile Cr.	1.3	3	2	.5	10.56	50	37	1910
9030	3	William H. Mahoney	Big Horn River	1.26	5	3	1	5.3	1200	242	1912
9031	3	Christina Bosch	Ten Mile Creek	1	7	4	1.5	5.28	300	62	1911

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9032	3	O. C. & H. L. Bonine	Little Slick Creek	1.292	5	3	1	5.28	100	396	1912
9033	3	John Hays	Dry Creek	4	4	2	1	4	800	160	1909
9034	1	John S. Fox	North Laramie River	7.5	14	8	3	3.2	9500	1734	1912
9035	1	John S. Fox	North Laramie River	5	12	8	2	5.28	2800	2688.03	1912
9036	1	John S. Fox	North Laramie River	1.5	9	6	1.5	5.28	1000	1650	1912
9037	1	John S. Fox	North Laramie River	1.5	9	6	1.5	5.28	1000	1767	1912
9038	1	City of Cheyenne, P. S. Cook, Mayor	Middle Crow Creek	25	....	....	....	....	450000	....	1911
9039	3	Jozina Davis & Frank Twidale	Spring Gulch, Sec. 18, T. 38, R. 87	1.50	7	6	1	8	600	218	1912
9040	3	Jozina Davis	Spring Gulch, Sec. 18, T. 38, R. 87	.50	6	5	1	8	100	57.8	1912
9041	1	Wilson S. Kimball	Claude Creek	.75	7.5	6	1.50	6	400	151	1911
9042	1	Frances L. Stamy	Draw, trib. Broom Creek	.75	2	1	1	15	50	15	1910
9043	1	Eliza J. Brownrigg	Draw and Spring, trib. Patten Creek	.50	2	1	1	10	50	9	1910
9044	1	Maude Graybill & L. E. Brownrigg	Two Draws and Springs, trib. Cottonwood Creek	1.25	3	1	1	10.56	75	40	1912
9045	1	Joseph Kohleffel	Spring Branch of Savory Creek	1.25	4	2	1	20	200	70	1910
9046	3	George W. Downing	Aldrich Creek	1	3	2	1	10.56	300	75	1910
9047	3	John Bunker	Brokenback Creek	1.50	4	2.5	1	5	500	31	1912
9048	3	J. A. Asper	Dry Cottonwood Creek	2.04	5	3	1	21.2	200	153	1911
9049	3	Emma Croskey	North Fork Owl Creek	.68	3.5	2.5	.5	21.2	200	57	1911
9050	3	N. P. Wilson	Owl Creek	1.26	6	4	1	10.3	475	177	1911
9051	3	F. P. Spencer	South Fork of Owl Creek	1.87	6	4	1	10.6	650	135	1911
9052	3	F. P. Spencer	Dry Cottonwood Creek	.37	5.4	3	.6	21.8	150	96	1911
9053	3	Emma Croskey and C. W. Lowry	North Fork of Owl Creek	4.12	6	4	1	21.2	750	303	1912
9054	3	Charles E. Carney	Bear Creek	1.30	4	2	.75	21.2	250	36	1911
9055	3	Charles E. Carney	Goat Creek	.99	5	3	1	21.2	200	91	1911
9056	3	Evan Morton	Gooseberry Creek	3	4.5	3	1.5	8	500	183	1911
9057	3	Chauncy B. Typer	Bear Creek	.38	4	2	1	15.9	175	46	1910
9058	3	Chauncy B. Typer	South Fork Owl Creek	.32	4	2	1	26.4	75	33	1910
9059	4	Bertha Pool	Green River	.50	5	4	1	6	150	85	1909
9060	4	Daniel Lezeart	East Branch Black's Fork River	.50	1.25	.75	.5	15	20	26	1909

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9061	4	Daniel Lezeart	East Branch Black's Fork River	.1	1.5	1	1	10	10	89	1909
9062	4	John Magnetti	Correl Creek	.375	•3.5	3	1	8	300	39	1910
9063	4	John Magnetti	West Creek	.125	[illegible]	2.5	.5	8	150	8	1910
9064	4	Kinch M. Kinney	Spring, Sec. 25, T. 26 N., R. 101 W.	.246	1.5	1	.5	15	50	14.5	1910
9065	1	John L. Swanson	North Crow Creek	.50	3	1	1	10	50	6.5	1909
9066	1	Philip M. Flavin	Dry Creek	1.75	6	4	1	5.28	375	87.5	1910
9067	1	William Owens	Owens Creek	.25	2	1	.5	26	30	4	1909
9068	1	W. H. Butler	Forester Gulch, Sec. 17, T. 15 N., R. 82 W.	.50	3	2	.5	4	100	80	1910
9069	1	C. H. McCullough	Cottonwood Creek	.75	7	4	1	1.3	300	16.74	1910
9070	1	J. W. Hammond	Crow Creek	1.2	8	5	1.5	2.64	250	355.61	1910
9071	1	J. W. Hammond	Crow Creek	1.5	12	8	1.5	2.64	400	470	1910
9072	4	Orsolina Shuster	Hartley Creek	1.1	4	3	1	8	225	21	1910
9073	2	William H. Merryman	Thompson Creek	1.125	4	2.5	1.5	5	150	32	1910
9074	2	W. R. Fox	Davis Lake, Sec. 23, T. 50 N., R. 72 W.	2.25	4	2	1	5	750	131	1911
9075	2	Daisy Wagstaff	West Fork Dry Creek	.775	8	6	1	5	200	56.60	1910
9076	2	Weston Harvey	Dry Draw, Sec. 2, T. 54 N., R. 71 W.	1	4	3	1	5	200	43.8	1911
9077	2	Hugh McLennan	Deer Creek	1.25	4	2.5	1.5	4	50	68	1910
9078	2	Samuel L. Crosby	Trib. Miller Creek	1	4	2.5	1.5	5	100	39	1910
9079	2	Lafayette A. Brown	Prairie Creek	.5	4	2.5	1.5	5	100	16	1910
9080	3	H. E. Wadsworth, Agent for Indians	South Fork Little Wind River	17.1	30	18	3	5.28	60000	17995.5	1912
9081	3	F. C. & G. W. Metzler	Muddy Creek	1.90	4	4	2	7.92	450	180	1911
9082	3	F. C. & G. W. Metzler	Muddy Creek	2.25	4	4	2	7.92	250	168	1911
9083	3	E. L. Fly	Poison Creek	1.1	4.5	3	1	5.28	200	82	1912
9084	3	J. F. Skidmore	Mud Spring Creek	.55	8	2	.5	53	100	38	1911
9085	3	J. F. Skidmore	Skidmore Springs & Lakes	1.15	3.2	2	.6	21.1	650	67	1911
9086	3	Fred A. Gabus	Gulch, flowing into Big Horn River	1.68	15	11	3	30	250	147	1912
9087	3	Warren Martin	Lake Creek	.833	5.28	3	1	5	300	24.3	1910
9088	3	Warren Martin	Lake Creek	.436	4	1	1	5.28	100	9.7	1910

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9089	3	Warren Martin	Lake Creek	.379	5	2	1	5.28	150	29	1910
9090	3	E. M. Ilg	Paint Rock Creek	2	4	3	1	7.50	1000	119	1910
9091	3	Herman L. Johnson	No Water Creek	3.56	6.2	3	1.6	15.9	800	166	1910
9092	3	Farquhar Gillies	Gooseberry Creek	2.25	3.5	2.5	1	8	300	185	1911
9093	3	Leonard D. Cheever	Poison Springs, trib. Badwater Creek	.36	3	2	1	10.56	100	15	1910
9094	3	Alice Puntney	South Bridger Creek	.76	4	3	1	10.56	250	64	1912
9095	3	A. J. Grier	Tiger Creek	.65	3.5	2.5	1	10.56	150	21	1910
9096	3	H. O. Emery	Spring, Sec. 2, T. 42 N., R. 95 W.	.68				150	600	13	1910
9097	3	H. O. Emery	Spring, Sec. 2, T. 42 N., R. 95 W.	.005				150	30	13	1910
9098	3	H. O. Emery	Spring, Sec. 2, T. 42 N., R. 95 W.	.014				200	45	13	1910
9099	3	H. O. Emery	Spring, Sec. 2, T. 42 N., R. 95 W.	.023				100	60	13	1910
9100	3	C. H. Stonebridge	Slack Creek Springs, Sec. 30, T. 52 N., R. 104 W.	.75	3	2	1	10	100	120	1909
9101	3	C. H. Stonebridge	Slack Creek	.50	2	1	1	10	100	120	1909
9102	3	Olive Benbrooks	Wilson Brook	.25	1	1	.5	10.56	25	10	1910
9103	3	Shoshoni Ranch Company	Big Horn River	6.53	7.25	6	2	2.64	2630	966	1912
9104	4	William L. Smith	Cottonwood Creek	1.77	6	4	1	4	600	255	1911
9105	4	Perry W. & Julia A. Hendricks	Horse Creek	1.25	4.5	3.5	1	8	300	196	1911
9106	4	Fred S. Rawlings	Nugett Creek	.50	2.5	2	1	16	150	36	1911
9107	4	S. H. Fisher	Docking Correll Creek	.83	3.5	2.5	6	8	200	21	1911
9108	4	Beckwith Quinn & Company	Bridger Creek	.25	6	4	1	6	100	49	1910
9109	4	Beckwith Quinn & Company	Horse Creek	.875	6	4	1	5.28	100	108	1910
9110	4	Andrew Polson	Smith's Fork Creek	.71	2.5	1.5	1	20	25	122	1911
9111	4	Rasmusson Sheep Company	Unnamed stream, Sec. 4, T. 19, R. 95	1.5	3	1	1	5	165	92	1911
9112	4	Rasmusson Sheep Company	Unnamed stream, Sec. 5, T. 19, R. 95	2.75	5	2.5	1	18	180	470	1911
9113	4	Rasmusson Sheep Company	Unnamed stream, Sec. 5, T. 19, R. 95	2	5	2.5	1	18-28	215	909	1911
9114	4	Ellen M. Clark	North Prater Creek	1.5	5	3.5	1	100	150	154	1910

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9115	4	Ellen M. Clark	Gem & Dancing Water Springs	1.5	1.5	.67	.83	100-2000	100	6	1910
9116	4	Margaret T. Dill	Little Gros Ventre or Flat Creek	.75	3	2	1	6.67	150	78	1911
9117	4	Beckwith Quinn & Company	Antelope Creek	1.625	6	4	1 to 1½	5 to 10	40	77	1910
9118	4	James Morgan Bond	Smith's Fork Creek	.68	2	1	1	10	40	160	1910
9119	3	Lander Irrigation & Improvement Company	Little Popo Agie River	26	18	12	3	2.5	70000	6416.29	1913
9120	4	Afton Live Stock Co., C. T. Papworth, President, & S. M. Covey, Secretary and Treasurer	Smith's Fork	25.5	20	12	2.6	4	30000	5308	1913
9121	3	E. C. Winchester, S. A. Cope, et al.	Owl Creek, trib. Big Horn River	7.64	14	10	1.5	6.6	14100	1594.39	1912
9122	4	James Greenhow	John Parr Creek	.5	3	2	.5	4	200	23	1911
9123	4	James Graham	John Parr Creek	.125	2	1	.5	3	100	12	1910
9124	2	Parkman Irrigation District, W. H. Wallace, Secretary	Camp Creek	.189	5	3	1	10.65	....	....	1912
9125	2	Parkman Irrigation District, W. H. Wallace, Secretary	Fools Creek	1.5	9.5	4.5	2.5	10.56	....	....	1912
9126	2	Parkman Irrigation District, W. H. Wallace, Secretary	North Fork Tongue River	....	......	......	....	....	150000	12491	1913
9127	1	Nan S. Brownrigg	Draw, trib. Patten Creek	.25	3	1	1	10.56	25	3.6	1912
9128	1	Lauritz Miller	4 Mile Creek	1.25	6	5	1	6	400	285.75	1909
9129	1	John P. Straus	Branch of 4 Mile Creek	1.25	6	5	1	6	400	218	1909
9130	1	Arthur Gaylord	Middle Casper Creek	1.79	5	4	1	5.28	625	191	1912
9131	1	Floyd Conner	Draw, trib. Cottonwood Creek	.75	24	20	2	10.56	50	20	1910
9132	1	The Casper Creek Irrigation Co.	Casper Creek	2.12	6	4.5	1.5	5.28	850	399	1912
9133	1	Tom Martin	West Fork Deer Creek	6	7	5	1	5.28	2000	160	1912
9134	1	Joseph Basco	Oregon Slough, trib. Sweetwater River	1.5	5	3	1	4.22	500	25.5	1911
9135	1	Henry V. Johnson	West Fork Cottonwood Creek	.5	5	3	1	10	150	12	1912
9136	1	Mrs. David Johnson	Sheep Creek	.087	1.5	1	1	15	25	6	1910
9137	1	Tatham Brothers	Shell Creek	1.25	5	4	1	14	250	259	1910

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom. Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9138	1	D. S. & Bertha D. Stout	Cow Creek	3.5	8	6	1.25	6.864	2000	671.50	1912
9139	1	Fred Hildebrand	Draw, Sec. 3, T. 33 N., R. 73 W.	.284	5	3	1	5.28	65	92	1910
9140	1	William Greaser	Sheep Creek	.50	3	2.5	1	5.28	100	81	1911
9141	1	William Greaser	Sheep Creek	.25	3	2	1	5.28	30	14	1910
9142	1	William Greaser	Sheep Creek	.25	3	2	1	5.28	80	12	1910
9143	1	William Greaser	Sheep Creek	1.25	4	3	1	5.28	250	75.5	1911
9144	2	James B. & John B. Ricks	Rawhide Creek	1	4	3	1	5	200	70.6	1911
9145	2	John B. Ricks	Rawhide Creek	.25	3	2	1	5	50	18	1911.
9146	2	James C. Watson	Slater Creek	1	4.5	2.5	1	10	150	88	1910
9147	2	Plisha Gupton	Cottonwood Draw, trib. Little Powder River	1	4.5	3	1	5	100	26	1911
9148	2	Plisha Gupton	Sage Draw, trib. Little Powder River	.25	3	2	.6	5	50	12	1911
9149	2	John Grant	Hay Creek	.75	4	3	1	5	100	60	1911
9150	2	Florence L. Collins	Box Elder Creek	.50	4	3	1	5	75	64	1911
9151	2	Simon J. & M. H. Evans	Prairie Dog Creek	2.094	7	5	1	2.64	3000	154.5	1911
9152	2	G. C. Benedict	Benedict Draw, Sec. 28, T. 58, R. 85	.50	2.5	1	1	25	25	50	1910
9153	2	Sarah A. Brown	Dry Draw, Sec. 14, T. 57 N., R. 61 W.	.254	6	4	1.5	5	200	123.40	1911
9154	2	Sarah A. Brown	Dry Draw, Sec. 23, T. 57 N., R. 61 W.	.235	6	4	1.5	5	200	69.50	1911
9155	2	Erick Halverson	Lamb Creek	1	4	3	1	5	100	91.5	1910
9156	2	Theodore M. Dunbar	Dry Gulch, Sec. 5, T. 50 N., R. 79 W.	.75	5	3	1	10.56	300	29	1910
9157	2	Mrs. Cecil D. Luddecke	Dry Gulch, Sec. 7, T. 50 N., R. 79 W.	1.5	8	6	1	10.56	600	82	1910
9158	2	Otis Benson	Benson Draw. Sec. 7, T. 54 N., R. 80 W.	1.5	6	3	1.5	10.56	75	63	1911
9159	2	Ida E. Brainerd & Edward I. Brainerd	Coyote Creek	1.148	5	3	1	3	200	320.09	1910
9160	2	William H. Brown	Antelope Creek	.273	6	4	1	5	170	100	1912
9161	2	William H. Brown	Antelope Creek	.442	6	4	1	5	210	146.82	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade. Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9162	2	K. C. Jones	Jones Draw, Sec. 10, T. 54 N., R. 80 W.	.75	4	1	1	10.56	25	32	1911
9163	2	Nellie E. Spracklen	Spring Draw, Springs and Flood water	1	6	4	1	10.5	200	85	1911
9164	2	Nellie E. Spracklen	Adams Draw, flood waters	.875	6	4	1	10.5	175	41	1911
9165	2	Berton L. Reno	Reno Gulch, trib. Little Thunder Creek	.170	2.5	1	1	5.5	50	6.2	1910
9166	2	Burton L. Reno	Reno Gulch, trib. Little Thunder Creek	.474	3	2	1	6	100	35.93	1910
9167	2	Lincoln F. Kelly	Cottonwood Canon	.625	4	3	1	5.28	75	89	1912
9168	2	Lincoln F. Kelly	Cottonwood Canon	.095	10	7	2	5.28	50	89	1912
9169	2	Willow Glen Sheep Company	Pole Creek	1.75	6	4	1	5.28	500	263.7	1911
9170	2	Emma S. Van Gorden	Nine Mile Creek	1.5	5	3	1	5.28	300	105	1911
9171	2	Emma S. Van Gorden	Nine Mile Creek	.50	5	3	1	5.28	150	42	1911
9172	2	Emma S. Van Gorden	Nine Mile Creek	.50	5	3	1	5.28	100	15	1911
9173	1	Alexander Gillespie	Boswell Spring Creek	2.8	4	2	1	2.5	100	71.1	1910
9174	1	Alexander Gillespie	Seven Mile Springs	1.1	1.3	1.3	1	2.5	50	35.8	1910
9175	1	Lillie Newell	Harvey Creek	.33	1.5	1	1	8	75	13.7	1910
9176	1	Joseph Kafka	North Laramie River	.875	3	3	1.5	3.5	100	20.3	1911
9177	1	Timothy J. Sullivan	Sullivan Creek	.9	3 to 4	2-2½	1	21	200	58	1911
9178	1	Victor Lakso & Jacob Lakso	Dry Creek	.189	2	1.5	.6	varied	25	3	1910
9179	1	W. F. Hamilton	North Platte River	30.46	29	20	4.5	1.5	90000	22206.34	1913
9180	1	Jacob Lakso & Victor Lakso	Dry Creek	.50	3	2	.5	varied	120	8	1910
9181	1	Jacob Lakso & Victor Lakso	Dry Creek	.284	3	2	.7	varied	45	9	1910
9182	1	Jacob Lakso & Victor Lakso	Dry Creek	.227	2	1.5	.6	25	30	6	1910
9183	1	Lillie Newell	Cottonwood Creek	.50	1.33	1	1.5	5.25	100	26.8	1910
9184	1	Lillie Newell	Harvey Creek	.33	2	1	1	5.25	75	17.6	1910
9185	1	Lawrence T. Sullivan	Sullivan Creek	1.5	3	2	1	110	200	151	1911
9186	1	Timothy J. Sullivan	Sullivan Creek	1.75	2 to 3	1½-2	1	20	300	77	1911
9187	1	Joseph Kafka	North Laramie River	3.3	6	4.5	1.5	4	1200	199.8	1911
9189	2	J. W. Howell	North drainage Blacktail Creek	1.856	3	2	1	5	200	45.9	1910
9189	2	J. W. Howell	Pond, Sec. 17, T. 44, R. 61.	....	....	....	....	....	50	....	1910
9190	3	P. E. Denny	Poison Creek	.875	4	3	1	5.28	100	38	1911
9191	3	A. C. Newton	Traill Creek	1.5	5	3	1	10.56	250	105	1911

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9192	3	J. H. Graves	Flood water of Green Cr.	.50	3	2	1	10.56	150	93	1910
9193	3	Andrew Peterson & Charles F. Lee	Alkali Gulch, Sec. 12, T. 51 N., R. 96 W.	1.75	3	2	1.5	10.56	100	440	1910
9194	3	A. M. Hubner	Hubner Springs, Sec. 18, T. 49, R. 105	.25	1	.50	.50	7	10	15	1909
9195	3	Frank Norton	Ten Sleep Creek	1.125	1.5	1.5	1	5	600	24	1911
9196	3	Charles B. Shaffer	Cottonwood Creek	.50	5	3	1	5.28	200	20.6	1910
9197	3	Charles B. Shaffer	Cottonwood Creek	.50	5	3	1	5.28	150	12.1	1910
9198	3	Henry Sercoff	Torrey Creek	1.45	5	3	1	10.6	250	62	1911
9199	3	Gustaf Sandberg	Gooseberry Creek	2.25	4	3	1	8	250	206	1910
9200	3	Mrs. Cora Miller Seaver & John Williamson	Torrey Creek	1.2	5	3	1	10	200	51	1910
9201	3	Seaver & Henderson Cattle Co.	Jakeys Fork, trib. Wind River	.9	4	2	1	10	150	43	1911
9202	3	James Holder	Gooseberry Creek	2	3.5	2.5	1	8	180	162	1911
9203	3	Paul E. Goedicke	Burnt Springs Draw	1.23	4	3	1	10.56	375	63	1911
9204	3	M. L. Bright	Badwater Creek	.46	4	3	1	8	250	47	1911
9205	3	W. B. Garritt	Big Horn River	1	....	....	....	....	700	98.5	1912
9206	3	A. J. Dodge & E. S. Helms	Little Rock & Lake Creeks	.50	5	3	1	10.56	100	306	1912
9207	3	A. J. Dodge & E. S. Helms	Little Rock & Lake Creeks	.50	8	5	1	10.56	150	306	1912
9208	3	W. H. Schmidt	Clark's Fork River	.75	5	3	1	2.64	150	35.81	1910
9209	3	A. L. Miller	Crow Creek	.5	4	2	1	10	200	49	1910
9210	3	M. Chamberlin	Springs, Sec. 10, T. 53, R. 103	1	....	....	....	....	750	5	1911
9211	3	J. A. Yeates	Whit Creek	1.5	4	2	1	10.56	300	78	1910
9212	3	L. R. Kirby, et al.	Cottonwood Creek	2.14	7	4	1.50	5.3	1000	602	1912
9213	3	Clara B. Zimmerman	Jones Creek	.71	4	3	1	10.56	200	73	1911
9214	3	Clara B. Zimmerman	East Jones Creek	.25	3	2	1	10.56	80	5	1910
9215	4	George H. Perkins, et al.	Dry Canyon Creek	16	10	8	1.5	9	5500	1793	1912
9216	4	George H. Perkins, et al.	Strawberry Creek	12.5	10	8	1.5	9	5000	1793	1912
9217	4	Fred Wolfley, Jr.	Stewart Creek	1.5	4	3	1	10	100	160	1910
9218	4	James D. Powers	Poison Creek	.5	1.25	.8	.5	10	20	95.56	1910
9219	4	James D. Powers	Poison Creek	.76	1	.5	.8	10	30	60.5	1910
9220	4	F. Swanson, et al.	Blacks Fork River	10.55	14	10	2.5	30	2000	3273.65	1912
9221	4	Ole Hande	Muddy Creek	1.2	5	3	1	4	100	37	1910

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9222	4	Ole Hande	Muddy Creek	1.5	5	3	1.5	1	200	68	1910
9223	4	Knute J. Joman	Pocket Creek	2.5	3	1	1	10	500	133	1911
9224	4	Hyrum D. Clark	Hammon Spring, Sec. 21, T. 32, R. 119	.625	2	1	1	13	25	10	1909
9225	4	Hyrum D. Clark	Stradlem Creek	.085	1.5	1	1	12	5	5	1909
9226	4	Hyrum D. Clark	Clark Spring, Sec. 17, T. 32, R. 119	.20	1.5	1	1	12	10	5	1909
9227	4	Hyrum D. Clark	Pine Canyon Spring, Sec. 17, T. 32 N., R. 119 W.	.875	3	2	1	13	50	43	1909
9228	4	Hyrum D. Clark	Sheep Creek	.125	5	3.5	1	13	10	55	1909
9229	4	Orin H. Seaton	Spring Creek	1	4	3	1	6.67	100	142	1911
9230	4	Roscoe D. Mack	Long Draw, Sec. 2, T. 30 N., R. 105 W.	3	3	2	.5	10	1000	160	1911
9231	4	Fremont Lake Irrigation Company	West Fork New Fork R.	13	11	6	2.5	3	10000	1831	1910
9232	4	Minnie Roberts	Smith's Fork Creek	.275	3	2.5	1	5	40	2	1910
9233	4	Pearl & Albert P. Sommers	Green River	.7	6	4	1	4	300	140	1911
9234	4	Robert B. Donohoo	Beaver Creek	.165	1.5	.75	.5	7.92	1500	24	1910
9235	4	Robert B. Donohoo	Beaver Creek	.061	1.5	1	.5	7.92	10	27.6	1910
9236	4	August Linden	Dipper Creek	.85	3.5	3	.5	16	250	55	1911
9237	4	August Linden	Dipper Creek	.72	3.5	3	.5	16	200	83	1911
9238	4	Anna Linden	Linden Creek	1	3.5	3	.5	16	350	58	1911
9239	4	Heman Hyde	Henrie or Walton Spring, Sec. 25, T. 33 N., R. 119 W	.25	4	2.5	.5	12	25	12	1909
9240	4	Heman Hyde	Clear Creek	.25	6	4	.750	12	25	143	1909
9241	4	J. D. Noblitt	Sublet Trail Creek	.25	2	1	.5	26.4	100	30	1911
9242	4	J. D. Noblitt	Garret Creek	.25	4	3	1	20	50	10	1913
9243	4	J. D. Noblitt	Potato Creek	.25	4	3	1	20	50	9	1913
9244	4	J. D. Noblitt	Poison Creek	.25	4	3	1	30	50	13	1913
9245	4	J. D. Noblitt	Poison Creek	.25	4	3	1	30	50	13	1913
9246	4	J. D. Noblitt	South Sublette Creek	1.25	5	4	1	10	300	120	1913
9247	4	J. D. Noblitt	South Sublette Creek	.125	4	3	1	30	50	40	1913
9248	4	J. D. Noblitt	Lost Creek	.75	4	3	1	10 to 20	75	30	1913
9249	4	J. D. Noblitt	Lost Creek	.25	4	3	1	30	50	15	1913
9250	4	J. D. Noblitt	Lost Creek	.33	4	3	1	30	75	25	1913

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9251	4	J. D. Noblitt	Wyman Creek	1.25	5	4	1	10 to 30	300	92	1913
9252	4	J. D. Noblitt	Wyman Creek	2	5	4	1	10	400	80	1913
9253	4	J. D. Noblitt	Underwood Creek	1.50	4	3	1	10	100	80	1913
9254	4	J. D. Noblitt	Underwood Creek	.50	4	3	1	10	100	....	1913
9255	1	P. J. McIntosh	Springs, Sec. 25, T. 19 N., R. 90 W.	.75	3	1.5	1	15	150	30.5	1910
9256	1	Mary Willey	Todd Draw, Sec. 7, T. 27 N., R. 62 W.	2	5	3	1.5	5	200	245	1911
9257	1	G. E. Willey	Sullivan Draw, Sec. 25, T. 26, R. 63	1.5	4	2	1.5	5	100	96	1911
9258	1	John Sherlock & William Riniker	Fish Creek	1.7	6	4	1	6.4	300	116.6	1912
9259	1	John Sherlock & William Riniker	Pine Creek	3.87	6	4	1	6.4	450	116.6	1912
9260	1	C. P. Sheehan	Wood Gulch, Sec. 13, T. 29 N., R. 93 W.	.75	4	2	1	6	250	148	1912
9261	1	Gus Burg	Big Laramie River	.89	4	4	1	3	150	24.8	1910
9262	1	W. F. Smith & Mrs. J. B. Snodgrass	Muddy Creek	1.25	5	3	1	3	300	58	1910
9263	1	Lula Covington	Covington Draw, Sec. 1, T. 29, R. 66	1.2	4	2	1	5	200	62	1911
9264	1	Angus McPherson	Dry Gulch, Sec. 28, T. 36 N., R. 79 W.	.50	4	3	.5	5.28	250	20	1911
9265	1	O. P. Witt	South Lightning Creek	2.50	12	8	2	5	2000	1777	1913
9266	1	O. P. Witt	South Lightning Creek	3.25	9	6	1.5	5	1200	734	1913
9267	1	Hans Sorenson	Lone Tree Creek	.8	4	3	1	5.28	100	20	1910
9268	1	A. H. Cobb	Poison Spider Creek	2	7	4	1.5	5.28	650	637	1912
9269	1	I. L. Ambler	Beery Springs, Sec. 3, T. 22, R. 77	2	5	3	1	1.6	200	120	1911
9270	1	I. L. Ambler	Beery Springs, Sec. 4, T. 22, R. 77	.75	4	2	.5	5	75	15	1910
9271	1	William L. French	Dry Gulch, Sec. 28, T. 30 N., R. 68 W.	1.5	7	5	1	10	100	120	1913
9272	1	John E. McNees	Saylor Creek	1.5	3	2	1	....	500	77	1910
9273	1	John E. McNees	Saylor Creek	.75	3	2	1	10	650	46	1910
9274	1	Herman V. S. Groesbeck	Seepage Water, Sec. 30, T. 15, R. 76	1.5	5	4	1	4	250	214.4	1910
9275	1	W. B. Fry	French Creek	25	28	20	4	2.64	300000	28311.87	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9276	1	George P. Clayton, et al.	Batts Creek and Hunton Creek	1.25	6	4	1	5.28	300	....	1912
9277	1	Vernon Clayton	Hunton Creek	2	6	4	1	5.28	650	81	1912
9278	4	J. W. & C. D. Chrisman	Ham's Fork Creek	4.75	12	7	1.8	2.2	2000	972	1912
9279	4	J. W. & C. D. Chrisman	Ham's Fork Creek	6	15.2	8	2.4	2.11	4000	1720.18	1913
9280	1	A. K. Walla	Willow Creek	....	1	1	.5	5	15	9.2	1911
9281	1	A. K. Walla	Willow Creek	.51	1.8	1.8	.5	5	30	26.5	1911
9282	1	William J. Hughes	Spring Creek	1.5	6	3	2	3	1400	95.7	1912
9283	1	Wint Sensabaugh	Bear Pen Cr. & East Fork	1.5	3	2	.7	21.12	140	85	1910
9284	1	John Foxton	Mill Creek	1.25	5	4	1.5	10.56	300	63	1910
9285	2	Sheridan Land & Irrigation Co.	Tyler Gulch, Sec. 10, T. 55, R. 84	.75	3	1	1	16	100	70	1909
9286	2	Rate and Huson	Pin Head Creek	2	10	8	2	5.28	800	105	1911
9287	2	Robert E. Kelly	Dry Creek	1	10	8	2	5.28	150	....	1911
9288	2	Eugenia Durand	West Fork of Dry Creek	1.294	5	3	1	2.5	180	103.59	1910
9289	2	Cecilia, I. G. & Samuel McKean	Deer Creek	.555	7	4	1.5	2.5	300	114.71	1910
9290	2	Samuel McKean	Cedar Forks	.408	5	3	1	2.5	100	48.10	1910
9291	2	Samuel McKean	Cedar Forks	.159	6	4	1	5	40	59.87	1910
9292	2	J. B. Wulff and C. C. Reynolds	A Dry Creek, trib. Tongue River	.32	3	1	1	5.28	75	200	1912
9293	2	Samuel A. Williams	Prairie Creek	.25	8	4	2	5.2	60	22	1910
9293	2	Samuel A. Williams	Fence Creek	.50	12	10	2	5.2	200	57	1910
9295	2	Bruce Watt	Cottonwood Creek	.248	6	4	1	2.5	50	64	1910
9296	2	Ervin Richards	Black Tail Creek	2.75	5	4	1.5	5.28	1000	140	1912
9297	2	Romeo Durand	Dry Creek	1.371	6	4	1	2.5	1500	80	1911
9298	2	David Carpenter	Dry Creek	.926	6	4	1	2.5	1250	96	1911
9299	2	Earl & Bessie F. Whedon	Whedon Gulch, Sec. 7, T. 56 N., R. 78 W.	.302	4	1	1.5	5.28	100	87	1911
9300	2	Earl Whedon	Dry Draw, Sec. 17, T. 56 N., R. 78 W.	.189	2	.5	.75	5.28	25	9	1911
9301	1	John Hakala	Dry Creek	.50	4	3	.8	10	75	36	1910
9302	3	The Montana Wyoming Copper Mining Co.	East Fork West Bridger Creek	.568	....	....	....	....	2000	....	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9303	3	The Montana Wyoming Copper Mining Co.	Middle Fork West Bridger Creek	....	......	......	....	....	7000	....	1912
9304	3	The Montana Wyoming Copper Mining Co.	North Fork West Bridger Creek	....	......	......	....	....	1000	....	1912
9305	3	Earl Johnson	Nowater Creek	1.75	5	5	1	10.6	250	69	1911
9306	3	John Stiegele	Cottonwood Creek	.37	30	20	.5	10.6	175	11	1911
9307	3	H. B. Robertson	Springs, Sec. 27, T. 52 N., R. 105 W.	.75	......	......	....	100	300	1	1911
9308	3	H. B. Robertson	Green's (Cabin) Creek	.75	2	1	1	100	200	40	1910
9309	3	George S. Johnson	Canyon Creek	1.5	3	2	1	10.56	250	53	1910
9310	1	North Platte Valley Irrigation Co.	North Platte River	21.84	20	14	3	1	90000	9956.73	1913
9311	3	John F. Kitchings	West Fork West Kirby Cr.	.36	5	3	1	10.6	100	153	1911
9312	3	John F. Kitchings	Spring Creek	.2	5	3	1	10.6	50	149	1911
9313	3	Eugenia Morton	Spring Creek	2.25	4	3	1	8	600	250	1911
9314	3	A. L. Hampleman	Red Creek	.39	5	3	1	10.5	75	32	1911
9315	4	Jonathan Meeks	Smith's Fork Creek	.25	1.5	1	1	7.92	10	24.4	1910
9316	4	Jonathan Meeks	Seepage Water	.7	1.75	1	.8	7.92	10	100	1910
9317	4	Jonathan Meeks	Smith's Fork Creek	.2	2	1	1	7.92	15	35.6	1910
9318	4	Felix Schlestler, Banks W. Brady and John Mack	Little Sandy River	4	9	6	1.5	1.5	6000	510	1912
9319	4	Howard Embree	Pine Grove Spring Creek	.4	4.5	3.5	1	16	250	42	1911
9320	4	R. Howard Embree	Sheep Creek	.3	4.5	3.5	1	16	2000	106	1911
9321	4	Flora C. Blackburn	Sheep Creek	.80	5	4	1	8	320	111	1911
9322	4	Flora C. Blackburn & Catherine J. Hanson	Sheep Creek	2.20	5.5	4.5	1	8	650	197	1911
9323	4	William Beach	Spring, Sec. 24, T. 12 N., R. 112 W.	....	2.5	1.5	1	5.28	125	110	1911
9324	4	W. L. McNeel	Bell Creek	.125	3	1.5	.5	300	10	5	1910
9325	4	William Barnes	Six Mile Creek	.93	1.5	1	.5	10.5	40	101.5	1910
9326	4	Thos. B. Robertson, et al.	Henry's Fork Creek	4.37	4	2	1.5	21.12	500	640	1912
9327	4	George S. Spencer	Moor Creek	.25	3	2.5	1	16	100	34	1910
9328	4	George S. Spencer	Taylor Creek	.25	3	2.5	1	16	100	31	1910
9329	4	Nora Jones	Norah Creek	1.1	4	3	1	4	300	104	1911

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9330	4	Roy B. Perkins	Burntfork Creek	2.61	1.5	1	1	26.4	500	254	1912
9331	1	W. B. Fry	Mullen Creek	2	16	10	3	2.64	10000	28311.87	1912
9332	1	Ambrose Hemingway	Trib. North Casper Creek	.7	6	4	1	8	200	82	1910
9333	2	W. D. Lovell	East Fork Big Goose Cr.	1.267	10	6	2	10	5000	....	1911
9334	1	F. T. Humberson	Red Gulch, Sec. 32, T. 30, R. 68	2.2	4	2	1	5	500	657.4	1912
9335	1	F. T. Humberson	Martian Gulch, Sec. 29, T. 30, R. 68	.75	6	3	2	5	150	139	1912
9336	1	A. E. Minium	Smith Creek	1.24	....	....	....	....	....	22000	1912
9337	1	James Dickerson	Channel of Pass Creek	1	6	4	2	variable	500	254	1910
9338	1	L. E. Brownrigg	Draw, trib. Cottonwood Creek	.9	4	2	2	5	260	89	1912
9339	1	L. E. Brownrigg	Draw, trib. Cottonwood Creek	1.1	4	2	2	5	240	88	1912
9340	1	Starling P. Asbell	Sage Hen Creek	.67	5	3	1	10	150	15.1	1911
9341	1	Starling P. Asbell	Sage Hen Creek	.33	5	3	.5	10	50	5	1911
9342	1	City of Laramie	Soldier Creek	2	8	4	2	5	500	....	1913
9343	1	City of Laramie	Soldier Creek	2.4	....	....	....	....	25000	....	1913
9344	1	Mary E. Dodge	Big Laramie River	2.5	6	4	1	3.5	1000	93	1909
9345	3	Essie M. Patterson	Springs, flowing into Deep Creek	1.16	4.5	3.5	1	10.4	200	192	1911
9346	3	Frank G. Small	Owl Creek	2.6	6	4	1	10.6	300	176.27	1911
9347	2	Fred Firnekas	Johnson Creek	1.75	5	3	1	15.84	500	158	1911
9348	2	Fred Firnekas	Spring, Sec. 29, T. 51 N., R. 83 W.	....	....	....	....	....	....	....	1911
9349	2	John H. Grove	West Slope Run	.269	5	3	1	5	50	28	1910
9350	2	Noyes A. Chittim	Branch, S. Fork of Red Fork of Powder River	1.25	3	2	1	8	200	37	1910
9351	2	Noyes Chittim	S. Fork Red Fork Powder River	1	3	2	1	8	150	19	1910
9352	2	J. Wilson Van Gorden	Ba-Ba Gulch, Sec. 11, T. 41, R. 75	.875	5	3	1	5.28	150	74	1912
9353	3	Henri Robert	Spring, flood trib. Baldwin Creek	.152	2	1	.5	264	25	1	1910
9354	3	Kathleen M. Darrah	Floodwater of Carter Cr.	1.25	4	3	6.67	300	175	175	1910

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9355	3	Kathleen M. Darrah	Floodwater of Meadow Cr.	1	4	3	1	25	150	30	1910
9356	1	E. M. Turner	Flood water Canon Cr.	.15	8	4	2	....	50	48.2	1911
9357	1	E. M. Turner	Cheyenne Pass Canon	.47	8	4	2	5	110	66	1911
9358	1	Albert Higginson	Medicine Bow River	3	6	3	1	5.28	1000	226	1910
9359	4	Dan D. Muir	Springs, Sec. 35, T. 31, R. 113	1	4	2	1	5	150	144	1910
9360	2	George W. Perry, Agent	Tongue River	2.50	....	....	....	....	150000	....	1913
9361	2	Effie M. Eccles	South Fork Powder River	.26	3	2	1	7.92	100	6.5	1912
9362	2	Effie M. Eccles	South Fork Powder River	.3	3	2	1	7.92	150	13.5	1912
9363	2	Effie M. Eccles	South Fork Powder River	1.10	3	2.5	1	7.92	250	20.5	1912
9364	1	Matt and Geneva E. Weber	Gulch, in Sec. 21, T. 13, R. 90	4	9	6	1.5	5.60	2200	1483	1913
9365	1	Matt and Geneva E. Weber	Gulch, in Sec. 21, T. 13, R. 90	2.5	12	8	1.5	6	2000	....	1913
9366	1	W. E. Misters	Fields Creek	.540	2	1	1	uniform	50	50	1910
9367	1	Isaac C. Miller	North Platte River	1.9	7	5	1	2.64	2600	287	1912
9368	1	Bridget McDermott and Henry J. Hughes	Horseshoe Creek	2.5	7	3	2	3.3	980	201.5	1912
9369	1	City of Laramie	Soldier Creek or Springs	1.79	....	....	....	....	18600	....	1914
9370	1	City of Laramie	Soldier Creek or Springs	2.64	....	....	....	....	20000	....	1914
9371	1	John and Frank Roseberry	Small Creeks, trib. N. Casper Creek	.6	12	8	2	8	500	....	1910
9372	1	John and Frank Roseberry	North Casper Creek	.9	6	4	1	4	200	175	1910
9373	1	John and Frank Roseberry	North Casper Creek	2.47	8	4	2	2.64	1000	612	1910
9374	1	Wm. Wahlert and Geo. Plahn	Brush Creek	.82	4	3	1	10.56	250	76	1912
9375	1	Michael Brady	Muddy Creek	.75	3	2	1	5	150	69	1912
9376	1	Ambrose M. House	Bull Springs Creek	2.2	3	2	1	40	150	160	1912
9377	1	James B. Quigley	Muddy Creek	1.75	5	3	1	5	200	127	1912
9378	1	James B. Quigley	Muddy Creek	2	5	3	1	4	300	84	1912
9379	1	Willis Stam, Eoline & Viola Hudson	Fish Creek	2	5	4	1	5	500	290.64	1910
9380	1	Levi C. Bell	Casper Creek	.75	4	3	1	10.56	200	25	1911
9381	1	Clarence E. Harper	Little Camp Creek	1.125	6	4	1.5	4	200	74	1912
9382	1	Clarence E. Harper	Little Camp Creek	.375	3	2	1	5	75	14	1912
9383	1	Clarence E. Harper	Little Camp Creek	.50	3	2	1	5	100	19	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9384	1	Paul Pascoe	Frolic, Deer Lick & Long Canons	2.4	8	8	1	5	500	....	1910
9385	1	George M. Rhoades	South Fork Bates Creek	2.036	6	4	1	5.28	500	101	1911
9386	1	A. D. Chamberlin	Spring Branch Little La Prele Creek	.50	4	3	.50	5	50	25	1910
9387	1	A. D. Chamberlin	Little La Prele Creek	.25	5	4	.50	5	100	55	1910
9388	1	Charles Fauver	Little Medicine Bow River	8.75	8	5	1.125	4	1500	372.8	1912
9389	1	Gust Nelson	Troublesome Creek	1.5	7	5	1	5	500	307.5	1912
9390	1	Mrs. Nettie Reveal & R. S. Weaklen	North Elkhorn Creek	1.75	5	3	.7	5.28	200	112	1911
9391	1	Charles Roberts	North Platte River	.50	6	4	.8	5.28	1200	51	1912
9392	1	U. E. Cook	Sweetwater River	1	4	3	1	4.214	300	93	1912
9393	1	Robert J. Davidson	Meadow Creek	.67	4	3	1	10.56	350	53	1911
9394	1	C. P. Johnson	Dry Creek	.92	4	3	1	10.56	205	39	1911
9395	1	J. L. McIntosh	Alley Springs	.25	2	1	.50	10.56	50	....	1910
9396	1	W. H. Beckstead	Ledge Creek	1.50	4	3	1	4.50	150	110	1912
9397	1	Warren Burgess	Dry Gulch, trib. S. Casper Creek	.208	3	1	1	15.84	75	18	1910
9398	1	Warren Burgess	Dry Gulch, trib. S. Casper Creek	.104	3	1	1	15.84	50	20.5	1910
9399	1	Chris Klein	Unnamed Spring	......	......	......	......	......	......	......	1910
9400	1	Marry E. Terry	Fence Creek	4.5	3	2	1	8	1500	289	1911
9401	1	James Terry	Peterson Creek	.75	3	2	1	7.5	200	42.1	1911
9402	1	James Terry	Terry Creek	.50	2.5	2.5	1	8	150	50.6	1911
9403	1	R. D. Stewart	Nash's Fork, trib. North Fork Little Laramie R.	.894	......	......	......	......	50000	......	1913
9404	1	R. D. Stewart	Libby Creek, trib. N. Fk. Little Laramie River	1.28	......	......	......	......	25000	......	1913
9405	1	R. D. Stewart	Libby Creek. trib. North Fork of Little Laramie River	2.10	......	......	......	......	85000	......	1913
9406	1	John Larson	Trib. of Fox Creek	1.75	2	2	1	15	500	119.8	1911
9407	1	A. H. Christensen, A. H. Allen and John K. Hartt	Muddy Creek	35.3	45	30	5	1.58	261838	33136.27	1914
9408	1	Bob Hunter	Dry Creek	.75	3	8	1	7.5	500	245.2	1910
9409	1	William Taylor	Grant Creek	.25	5	4	1	6	200	135	1910

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9410	1	C. F. McFarland	Misters Creek	.75	3	2	1	5.28	50	112.7	1911
9411	2	Andy Pfeifer	West Fork Arch Creek	.727	6	4	1	5	100	25.9	1911
9412	2	Andy Pfeifer	West Fork Arch Creek	.945	6	4	1	3	125	51.2	1910
9413	2	Delilah J. McDonald	Horse Creek	1.75	4	3	1	5.28	300	109	1911
9414	2	Alfred H. Beach	Beach Run, Sec. 18, T. 44 N., R. 60 W.	1.648	6	4	1	6	300	121	1910
9415	2	Winfield Douglas	Dry Creek	1.932	5	2	1.5	15	250	50.15	1910
9416	2	Daniel Fisher	Wallace Creek	.44	3	2	1	10.56	225	12	1911
9417	2	Samuel B. Crandal	Branch, E. Fk. Big Goose Creek	.689	7	4	1.5	50	25000	....	1912
9418	2	Fred G. Williams	Floodwater in Sec. 36, T. 47 N., R. 68 W.	1.48	5	4	1	6	600	48.30	1912
9419	2	Benj. F. Shober	Oak Creek	.966	8	5	1.5	7	250	83	1911
9420	2	Benj. F. Shober	Oak Creek	.871	8	5	1.5	7	180	67	1911
9421	2	Chris Peter Sorensen	Red Cedar Gulch	.25	6	4	1	10	50	96	1911
9422	2	Wm. M. Morrison	Draw, trib. Robber's Roost Creek	1.14	9	5	2	2.5	500	126	1911
9423	2	Wm. M. Morrison	Draw, trib. Robber's Roost Creek	.13	7	4	1.5	5	75	45	1911
9424	2	Wm. M. Morrison	Draw, trib. Robber's Roost Creek	.16	5	3	1	16	50	7	1911
9425	3	Henry P. Schaefer	Big Popo Agie River	1	4	2	1	10	150	18	1911
9426	3	M. B. Douglas	Spring. trib. Sioux Creek	.23	2.5	2	1	10.56	100	10	1911
9427	3	Lorenzo French & Harry N. Robb	South Fork Canyon Creek	2.5	3.5	3	1	11	1200	43	1912
9428	3	Hermine Auer	Spring Gulch, trib. Beaver Creek	2	3	2	1	8	125	76	1911
9429	3	Clarence R. Chown	Badwater Creek	.75	3.5	2.5	.75	5.5	450	95	1911
9430	3	J. A. Delfelder	Conant Creek	2.1	4	3	1	7.92	350	61	1912
9431	3	Leonidas M. Clayton	Deer Creek	1.29	4.5	3.5	1	10.56	375	85	1912
9432	3	Henry A. F. Schwedhelm & Arthur Pace	West Kirby Creek	4.82	6	4	1	2.1	900	226	1911
9433	3	Samuel & Clyde Ellis	Springs and Floodwater in Red Canyon Creek	2	6	4	.666	5	500	125	1911
9434	1	Mrs. Minnie B. Cranor	East Cottonwood Creek	1.25	4	3	1	4.224	300	156	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9435	1	Mrs. Minnie B. Cranor	Middle Fork Cottonwood Creek	.75	4	3	1	5	200	18	1912
9436	1	Mrs. Minnie B. Cranor	Middle Fork Cottonwood Creek	1.75	4	3	1	4.224	500	77	1912
9437	1	Geo. M. Black	Elkhorn Creek	1	5.5	3.5	.8	5.28	500	132	1911
9438	1	Geo. M. Black	North Elkhorn Creek	.625	4.5	3.5	.5	7	120	10	1911
9439	1	Edward M. Turner	Gulch No. 1, Sec. 12, T. 15 N., R. 73 W.	.17	6	3	1	5 to 10	350	11.8	1911
9440	1	Edward M. Turner	Gulch Nos. 2 & 3, Sec. 12, T. 15 N., R. 73 W.	.35	6	3	1	5 to 10	700	57.9	1911
9441	1	Edward M. Turner	Gulch No. 4, Sec. 12, T. 15 N., R. 73 W.	23	6	3	1	5 to 20	450	22.1	1911
9442	1	J. J. Marrin	Springs in Mormon Gulch.	.195	....	....	....	....	300	....	1911
9443	1	William Phelps	McMurray Creek	1	5	3	1	10	100	36	1912
9444	2	Frederick Collins	Indian Creek	1	3	1.5	.5	5	250	139	1910
9445	2	Eda Minter	Sheep Canyon	.311	6	4	1	2.5	150	6	1912
9446	2	Orlo J. Palmer	Coal Gulch, trib. Powder River	.50	4	3	1	5.28	200	51	1910
9447	2	Willie R. Thompson	Deer Creek	1.375	5	4	1	5	225	67	1911
9448	2	Fred Dilts	Bear Creek	.375	22	16	3	2.64	400	....	1912
9449	2	Fred Dilts	Bear Creek	3.25	7	5	1	5.28	500	337	1912
9450	2	Fred Dilts	Bear Creek	3.50	8	6	1	5.28	575	457	1912
9451	2	George W. Robinson	Cotton Tail Draw	.50	5	3	1	10	50	56	1911
9452	2	Walter C. Reid & Frank Herefore	Floodwater from S. R. Cr.	1.113	17	15	1	5.28	150	35	1911
9453	2	Cora M. Tompkins	L. X. Bar Creek	.50	5	3	1	10	100	33	1911
9454	2	Cora M. Tompkins	Joe Creek	.50	5	3	1	10	90	23	1911
9455	2	George T. Linn	Cedar Draw	.50	5	3	1	5.23	30	30	1910
9456	2	Jack B. Milward	Huntington Spring	.50	....	....	....	....	600	3	1911
9457	2	D. M. Pool	Floodwater from Bob's Gulch	1	6	4	1	2.64	150	56	1912
9458	2	D. M. Pool	Floodwater from Dan's Gulch	.528	52	50	1	2.64	120	18	1912
9459	2	Randolph Freel	Cave Gulch, Sec. 30, T. 37 N., R. 84 W.	1.04	3.5	2.5	1	7.92	300	55	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9460	2	Elwood J. Brown	Brown's Spring, Sec. 25, T. 44, R. 61	.093	......	.....	....	....	150	2	1910
9461	2	Jeff Davis	Meek's Canyon, Sec. 6, T. 48, R. 63 W	.341	6	4	1	5	150	40	1911
9462	2	Frank D. and Effie McGregor	Sage Draw, Sec. 24, T. 51, R. 67 W	.985	7	4	1.5	5	450	346	1911
9463	4	Evanston Electric Light Co	Bear River	12.5	12	6	3.0	3.0	40000	....	1910
9464	4	J. J. Swink	Small Spring, Sec. 16, T. 12, R. 111	.032	1	.5	.2	10	10	....	1910
9465	4	J. J. Swink	Spring, Sec. 16, T. 12 N., R. 111 W	.076	1	.5	.4	10	15	5	1910
9466	4	J. J. Swink	Small Spring, Sec. 16, T. 12, R. 111	.037	1	.5	.2	10	10	.5	1910
9467	4	Contratto and Company	Black's Fork River	3.25	5	4	1.33	4	400	122	1912
9468	4	Elias Niiranen	Middle Fork Slate Creek	.75	4	3	1	24	250	128	1912
9469	4	Frank and Walter Hankins	South Fork Fontenelle Cr.	2.5	5	4	1	8	2200	366	1912
9470	4	Sterling Summers	Beaver Creek	.5	1.5	1	.5	25	50	39	1910
9471	4	W. H. Taylor and S. Park	La Barge Creek	8	16	10	2	5	1800	4067.34	1912
9472	4	J. D. Noblitt and J. A. Truitt	Erwin Creek	.875	1	1	1	7	1500	....	1912
9473	4	J. D. Noblitt and J. A. Truitt	Potatoe Creek	.75	4	3.5	1	8	225	....	1912
9474	4	J. D. Noblitt and J. A. Truitt	Erwin Creek	1.25	4.5	3.5	1	7	300	152	1912
9475	4	J. D. Noblitt and J. A. Truitt	Potatoe Creek	1	3.5	3	1	8	375	75	1912
9476	4	Charles Stewart	Henry's Fork Creek	.31	1.5	1	.5	10	25	51	1910
9477	4	G. W. McCarty, N. H. Anderson and H. C. Stewart	Burntfork Creek	2.64	3	1.5	1	10.56	200	227	1911
9478	4	Walter L. Hickey	Sage Creek	.924	3	1.5	1	10.56	200	275	1911
9479	4	Charles S. Lyle	Henry's Fork Creek	.46	1.25	.8	.4	25	25	13	1910
9480	4	Olaf Rosewald	Cottonwood Creek	1.25	3	2	.5	5	500	154	1911
9481	4	Ed. H. Rife	Coyote Creek	1.375	4	2.5	.833	10	500	73.2	1910
9482	4	Ed. H. Rife	Coyote Creek	1	3	2	.833	12	150	41.4	1910
9483	4	Ed. H. Rife	Coyote Creek	.75	3	2	.833	12	250	21.5	1910
9484	4	Ed. H. Rife	Coyote Creek	.75	3	2	.666	12	250	15.3	1910
9485	4	Ed. H. Rife	Coyote Creek	.375	3	2	.50	12	200	8.8	1910
9486	4	Ed. H. Rife	Vermillion Creek	1	4	3	.833	14	500	7.7	1910
9487	4	Ed. H. Rife	Vermillion Creek	.25	2.5	1.5	.50	14	100	2.45	1910

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9488	4	Ed. H. Rife	Vermillion Creek	.25	2.5	1.5	.50	14	50	4.6	1910
9489	4	Carl A. Roberts	Prater Creek	.25	3	2	1	500	25	120	1910
9490	4	Mary Guthrie	North Cottonwood Creek.	1.5	2	1	.50	8	100	66	1910
9491	4	Mary Guthrie	North Cottonwood Creek.	4.5	5	3	1	8	250	259	1910
9492	4	Uinta Development Company	Ham's Fork Creek	11	22	10	3	2.64	20000	3982	1912
9493	4	Anna Nelson	Grade Canon Creek	1	4	2	1	25	200	160	1911
9494	3	Dell E. and Reuben B. Lewis	Sand Gulch Creek	1.11	4	3	1	7.92	250	38	1912
9495	3	Dell E. and Reuben B. Lewis	Sand Gulch Creek	1.70	7	6	1.5	7.92	650	254	1912
9496	3	John Tvaruzek	Sand Draw, Sec. 23, T. 7 N., R. 5 W	.875	4	3	1	10.56	200	84	1912
9497	3	Noble and Carmody	Wagonbed Gulch, Sec. 34, T. 32, R. 95	.199	......	......	....	5.28	150	....	1910
9498	3	Noble and Carmody	Willow Creek	.663	4	2.5	8	8.45	125	8.8	1910
9499	3	Sylvia A. Mikkelson	Gooseberry Creek	.563	3.5	2.5	1	8	60	20	1910
9500	3	Robert and Agnes Baird	Gooseberry Creek	2.25	3.5	2.5	1	8	200	50	1909
9501	4	Uinta Development Company	Black's Fork River	24.5	48	28	5	2	170000	41084	1914
9502	3	W. L. Rohrer	Gooseberry & Buffalo Cr. & Wood River	2	28	16	3	3	6700	11963	1912
9503	3	W. L. Rohrer	Gooseberry & Buffalo Cr. & Wood River	11.5	32	18	3.50	2.64	42000	13716	1912
9504	1	Diamond Cattle Company	East Fork Medicine Bow River	14	22	16	3	5.28	45000	....	1914
9505	1	Diamond Cattle Company	Medicine Bow River	1.75	20	14	3	5.28	5000	....	1914
9506	1	Diamond Cattle Company	White Rocks Gulch	3	22	16	3	5.28	5000	....	1914
9507	1	R. P. Allan Estate	Bear Creek	.75	3	2	1	10.5	100	54.3	1911
9508	1	R. P. Allan Estate	Bear Creek	.75	3	2	1	10.5	150	38.3	1911
9509	1	Ida M. Barker, O. K. Garvey, A. H. Duthie and Barker Brothers	South Casper Creek	3.35	14	12	1.5	7.92	1460	445	1912
9510	1	James W. Heather	Spring, Sec. 23, T. 15 N., R. 85 W	1.25	4	2	1	variable	100	26.74	1911
9511	1	R. M. Jamieson	Wall Rock Creek	1.75	4	3	1	10.5	200	320	1912
9512	1	A. J. Covington, Jr	North Broom Creek	1	2	1	1	21.12	100	59	1912
9513	1	W. J. Brownrigg	Prairie Springs & Prairie Springs Draw	.84	4	2	1	4	250	40	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9514	1	Mary E. Morrison	Seepage, Sec. 12, T. 24 N., R. 69 W.	1.5	5	3	1	10	100	100	1911
9515	4	Henry Nevins, Joseph M. Hay, Joe Davenport, Adam Davenport	Canion Creek	3.25	5	4	1	10	400	368	1913
9516	1	Charles E. Winter	Cow Creek	5	4	2	1	5	300	320	1913
9517	1	Warren Live Stock Co.	Lone Tree Creek	2.5	8	4	2.5	6	500	557.04	1912
9518	1	Warren Live Stock Co.	Lone Tree Creek	.5	6	4	1.5	6	100	136	1912
9519	1	Phillip M. Flavin	Three Mile Gulch	1	5	3	1	2.5	100	20	1912
9520	1	Wm. J. Brown	Barcus Pass Gulch	.5	3	2	1	5	50	60	1911
9521	1	Wm. J. Brown	Willow Springs	.25	3	1	1	5	30	20	1911
9522	1	C. D. Terwilliger	Cow Creek	....	4	2	1	5	225	80	1912
9523	1	C. D. Terwilliger	Cow Creek	.56	3.5	1.5	1	5	175	45	1912
9524	1	R. L. Steel	Smith Creek	.25	2	1	1	21	50	15	1912
9525	1	Wm. H. Ashby	Moss Agate Creek	.625	4	3	1	10	250	43	1910
9526	1	John E. Higgins	Dry Creek	.25	4	3	.5	2.64	25	32	1911
9527	4	Ada Poston	Elkmountain Draw	1.5	4	3	1	6	200	160	1912
9528	4	Ada Poston	Elkmountain Draw	1.75	4	3	1	6	200	166	1912
9529	4	G. K. Murdock	First Creek	.50	5	3	1	20	200	15	1912
9530	4	G. K. Murdock	First Creek	.50	4	3	.5	10.56	100	10	1912
9531	4	G. K. Murdock	Second Creek	1	20	20	2	25	100	....	1912
9532	4	A. E. Robinson	Spring, Sec. 24, T. 22 N., R. 119 W.	....	......	......	......	....	25	....	1912
9533	4	A. E. Robinson	Spring, Sec. 13, T. 22 N., R. 119 W.	....	......	......	......	....	30	....	1912
9534	4	A. E. Robinson	North Antelope Spring	.125	3	2	1	10	100	....	1912
9535	4	A. E. Robinson	Spring, Sec. 25, T. 22 N., R. 119 W.	....	......	......	......	....	25	....	1912
9536	4	John B. Zeigler	Hams Fork Creek	2.6	4.5	3.5	1	8	1100	152.3	1913
9537	4	Conrad Rasmussen	Smiths Fork Creek	.68	3	2	1	10.56	50	200	1912
9538	1	Robert Cardwell	Dry Gulch, Sec. 31, T. 28 N., R. 83 W.	.75	3	2	1.8	15	250	32	1912
9539	1	Robert Cardwell	Spring Gulch, Sec. 2, T. 27 N., R. 84 W.	3.25	4	3	1.8	15	400	....	1912
9540	1	Ed. L. Patrick	Red Cloud Creek	1.5	8	4	2	5.28	200	65	1912
9541	1	Johnson Land & Irrigation Co.	Middle Casper Creek	40	31	19	4	2.64	75000	13261.16	1914

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9542	1	Johnson Land & Irrigation Co......	Tie Bridge Gulch..........	2	21	12	3	5.28	1000	....	1914
9543	1	Johnson Land & Irrigation Co......	Middle Casper Creek......	1	42	32	5	5.28	5000	....	1914
9544	1	Johnson Land & Irrigation Co......	South Casper Creek.......	11	16.5	9	2.5	4.224	15000	13261.16	1914
9545	1	Johnson Land & Irrigation Co......	Middle & South Casper Creeks, Wallace Creek, Six Mile and Tie Bridge Draw	3	9	3	2	5.28	1000	1779.43	1914
9546	1	Johnson Land & Irrigation Co......	Six Mile Draw.............	1.931	21	12	3	5.28	5334	....	1914
9547	1	Johnson Land & Irrigation Co......	Wallace Creek	4.33	21	12	3	3	15000	13261.16	1914
9548	1	Engelking Brothers	Spring, Sec. 36, T. 34 N., R. 76 W................	.059	2	1	.5	varied	25	3	1910
9549	1	Chris Klein	Soldier Creek	1.32	4	3	1.5	6	500	157	1912
9550	1	Larson Brothers	Snow Creek	1.25	8	6	1.5	5.28	500	120	1911
9551	1	Henry Brown	Bear Creek	1	4	2	1	7.5	800	106.50	1911
9552	1	C. E. Niswander.............	Bear Creek	1	4	2	1	7.5	300	113.3	1911
9553	1	John E. Higgins.............	Hunton Creek and East Fork Dry Creek.........	2	9	6	1.5	2.64	550	363	1911
9554	1	John E. Higgins.............	Dry Creek	1.75	6	4	1	2.64	300	90	1911
9555	1	John E. Higgins.............	Dry Creek	1	6	4	1	2.64	250	44	1911
9556	1	John E. Higgins......................	Hunton Creek	4	10	7	1.5	2.64	700	308	1911
9557	1	Green Mountain Sheep Company.....	Abel Creek	1	10	6	2	5.28	650	....	1913
9558	1	Green Mountain Sheep Company.....	Camp Creek & Abel Creek	.5	12	8	2	5.28	450	....	1913
9559	1	Green Mountain Sheep Company.....	Dry Gulch	1.25	6	4	1.5	5.28	200	267	1913
9560	1	Green Mountain Sheep Company....	Dry Gulch	.25	3	2	1	5.28	25	40	1913
9561	3	P. B. Dykeman.....................	Big Popo Agie River......	4.6	5	5	4	10.56	200000	....	1913
9562	3	William Hancock	Beason Creek	.5	2	1	1	10	75	10	1910
9563	3	Edward Young	Orchard Gulch	.5	3	2	.8	16	200	38	1911
9564	3	John Boyle, Patrick Kane and Isaac E. Harris	Kirby Creek	3.71	6	4	1	5.3	650	216	1912
9565	3	E. S. Rabenstein....................	Rock Spring Creek.........	.5	5	3	1	21.1	1000	160	1912
9566	3	George Thompson	Little Warm Spring Creek	1.5	5	3	1	8	300	88	1912
9567	3	Mark Chamberlin	Springs, Sec. 1, T. 53, R. 103	.625	2	1	.5	5.28	100	10	1910
9568	3	A. C. Newton.........................	Springs, Sec. 12, T. 53, R. 103	.625	2	1	.5	10.56	100	15	1910

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9569	3	A. L. Wilson	Grass Creek	.84	3	2	1	5.28	100	26.4	1911
9570	3	H. P. Rothwell, Jr.	Dry Fork Mud Creek	.75	4.2	3	.6	10.6	75	40.5	1911
9571	3	W. F. Johnson	South Fork Elk Creek	1.6	8	4	1	4	4000	473	1913
9572	3	W. F. Johnson	South Fork Elk Creek	2	10	4	1.5	4	500	844	1913
9573	3	W. F. Johnson	South Fork Elk Creek	3.5	8	4	1	4	4500	440	1913
9574	3	G. J. States	Big Popo Agie Rvier	.8					14000		1913
9575	3	C. D. Marshall	Springs, Sec. 4, T. 50 N., R. 101 W.	.1	1	.5	.167	25	100	1	1910
9576	3	John W. Welsh	Big Horn River	.159	2.5	2.5	1.25	5	750	53.53	1911
9577	3	J. S. Miley & T. M. Pearson	Flood Water, Sec. 22, T. 56 N., R. 94 W.	.8	5	3	1	5.28	200	267.70	1911
9578	3	Gaspero Gottino	Spring, Sec. 32, T. 33 N., R. 99 W.	.152	2.5	1.5	.5	150	100	1	1911
9579	3	Vincenzo Maccario	Springs, Sec. 12, T. 32 N., R. 100 W.	1.125	3	2.5	.5	16	125	87	1911
9580	2	Verne W. Frisbie	Indian Creek	1	3	1.5	.5	5	200	112	1910
9581	2	Edward M. Steele	Grouse Draw, Sec. 36, T. 58 N., R. 87 W.	.75	5	3	1	5.28	75	30	1910
9582	2	Edward M. Steele	Schauble Draw, Sec. 36, T. 58, R. 87	.5	4	2	1	5.28	50	8	1910
9583	2	C. L. Ware	Alkali Draw, Sec. 22, T. 48, R. 67	.984	7	4	1.5	4	700	20	1910
9584	2	C. L. Ware	Buffalo Creek	.511					250	32	1911
9585	2	C. L. Ware	Coal Draw, Sec. 22, T. 48, R. 67	.379	6	4	1	5	150	62	1911
9586	2	C. L. Ware	Duck Creek	.057	4	3	1	5	25	4	1910
9587	2	Louis G. Bare	Cub Creek	.32	6	4	1	5	75	111	1911
9588	2	Louis G. Bare	Cub Creek	.37	6	4	1	5	80	20.20	1911
9589	2	Ida E. & Edward I. Brainerd	Coyote Creek	.909	5	3	1	3	180	156.09	1911
9590	2	J. H. Perry	West Fork Turner Creek	.322	5.5	3.5	1	5	125	49	1911
9591	2	Frances M. Boner	Draw, Sec. 24, T. 37, R. 62	.40	6	3	1.5	15	225	31	1910
9592	2	Minnie B. Bundy	Fence Creek	1.5	6	3	1.5	5	1000	105	1911
9593	2	Minnie B. Bundy	Bundy Creek	.5	3	1	1	6	750	25	1911
9594	2	Oliver Still	Well Gulch, Sec. 36, T. 46, R. 79	.625	4	3	1	5.28	100	67	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9595	2	Sampson B. Gwinn	Draws, Sec. 11, T. 57, R. 86	1	3.5	2.5	1	10.5	175	93	1911
9596	2	Roy L. Sutherland	Dry Draw, trib. Mule Cr.	.356	5	3	1	5	215	25.5	1911
9597	2	Roy L. Sutherland	Dry Draw, trib. Mule Cr.	.603	5	3	1	5	300	27.4	1911
9598	2	Lizzie Babcock	Sonne Draw. Secs. 2 & 3, T. 51, R. 79	.25	2	1	.66	8	40	9.8	1911
9599	1	C. T. Ahlstrand	Crow Creek	4	12	6	2	5.28	4000	....	1912
9600	1	Joseph R. Peryam	South Cherokee Creek	.50	3	2	1	5	100	77	1911
9601	1	Joseph R. Peryam	South Cherokee Creek	.50	3	2	1	5	100	78	1911
9602	1	E. D. Reed	Sybille Creek	1	5	3	1	5.28	200	18	1911
9603	1	James Phillips, Sr.	Canon Creek	.75	3	2	1	4.5	250	19.5	1911
9604	1	James Phillips, Sr.	Springs, Sec. 6, T. 28 N., R. 83 W.	.25	3	2	.5	4.5	25	5	1911
9605	1	J. L. Bovee	Luman Creek	1	5	3	1	10	250	78.9	1911
9606	1	Jackson Brothers	Pass Creek	.227	7	5	1.5	5.28	600	117	1910
9607	1	Jackson Brothers	Pass Creek	.379	4	3	1	5.28	200	21	1910
9608	1	Jackson Brothers	Spring, Sec. 10, T. 19 N., R. 83 W.	.341	3	2	1	5.28	200	40	1910
9609	1	Jackson Brothers	Spring, Sec. 10, T. 19 N., R. 83 W.	.057	2	1	1	5.28	50	....	1910
9610	1	Jackson Brothers	Spring, Sec. 10, T. 19 N., R. 83 W.	.057	2	1	1	5.28	50	2	1910
9611	1	Victor H. Miller	North Chugwater Creek	.739	4	2	.5	5.28	75	39	1910
9612	1	Mrs. Ella M. Hangs	Spring, Sec. 4, T. 14 N., R. 83 W.	1	3	2	1	8	50	25	1911
9613	1	Mrs. Harriet Black	North Elkhorn Creek	.25	32	20	4	1.5	200	....	1911
9614	1	Mrs. Harriet Black	North Elkhorn Creek	.375	5	3	1	5.28	200	84.1	1911
9615	1	John R. Burns	Spring, Sec. 15, T. 27 N., R. 101 W.	.625	4	3	.5	10.56	200	28	1912
9616	1	John Mease	Draw, Sec. 11, T. 26 N., R. 63 W.	1.1	3	2	1	5.28	65	30.49	1912
9617	1	John Mease	Draw, Sec. 11, T. 26 N., R. 63 W.	1.13	3	2	1	5.28	77	38.88	1912
9618	1	J. Arthur Otto	Greasewood Creek	1.25	6	4	1	5.28	100	76.7	1912
9619	1	J. Arthur Otto	Greasewood Creek	1.25	6	4	1	5.28	100	35.2	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9620	1	Chris Klein	Spring, Sec. 20, T. 15 N., R. 72 W.	.4	4	2	.8	6 to 7	500	32	1911
9621	1	Lamb & Majors	Nigger Creek	.50	4	3	.5	9	50	27.5	1911
9622	1	Fred C. Yos	Yos Creek	.195	5	3	1	10	50	40	1911
9623	1	Wm. Dawson	Rock River	2	4	3	1.25	8	2500	269.7	1912
9624	1	Edwin E. & Cecil A. Ryan	Elk Hollow Creek	2.75	5	3	1	6.3	500	144	1912
9625	2	N. E. Stoops	Stoops Gulch, Sec. 16, T. 57 N., R. 86 W.	1.50	3	2	.5	10	100	120	1910
9626	2	Albert G. Challis	Antelope Creek	.834	6	4	1	5	100	74.90	1912
9627	2	Albert G. Challis	Antelope Creek	.720	6	4	1	5	150	81.98	1912
9628	2	Mrs. Frances Hanson	Alkali Creek	.303	5	3	1	5	160	6	1912
9629	2	Mrs. Frances Hanson	Alkali Creek	.265	5	3	1	5	140	11	1912
9630	2	Mrs. Frances Hanson	Alkali Creek	.095	5	3	1	5	50	1.5	1912
9631	2	Otto A. Coleman	Draw, Sec. 10, T. 54 N., R. 81 W	.25	2	1	.5	10	50	10	1911
9632	2	Otto A. Coleman	Dutch Creek	.75	2	1	.5	10	100	30	1911
9633	2	T. G. Williams	Powder River	.75	3	2	.8	10.56	300	35	1911
9634	2	G. S., W. H., D. J., & Estella J. Palmer	Soldier Creek	1.25	6	4	1	10	200	443	1911
9635	2	C. C. Baldwin	Spring, Sec. 24, T. 51 N., R. 63 W.	.156					150	5	1911
9636	2	Beaver Valley Live Stock Co.	Oil Creek	2	8	5	1.5	5	768	157.97	1911
9637	2	Beaver Valley Live Stock Co.	Beaver Creek	2.197	8	5	1.5	5	808	163.79	1911
9638	2	Beaver Valley Live Stock Co.	Beaver Creek	.152	3.5	2.5	1.5	5	50	4.98	1911
9639	2	Beaver Valley Live Stock Co.	Beaver Creek	.246	3	2	1.5	5	50	6.48	1911
9640	3	Frank J. Murray & M. D. Weed	North Fork Little Popo Agie River	6	7.5	4.5	1.5	10.56	6000	1082.46	1912
9641	3	Louis P. Guinard	Judkins Gulch, Sec. 32, T. 32, R. 99	1	3.5	2	.8	16	200	3.5	1910
9642	3	William E. Green	Floodwater from Green's Creek	.50	3	2	1	10.56	100	40	1911
9643	3	John Birch Stoner	Bench Creek	.25	3	1	1	8	100	37	1911
9644	3	Warren W. Hyde	Wind River	1.25	4	2	1	6	250	32	1912
9645	3	John E. Landis	Bear Creek	.50	3	1	1	6	75	25	1911
9646	1	J. L. & Margaret McIntosh	Sage Hen Creek	2.18	4.5	3	1	10.56	550	93.5	1913

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9647	1	J. A. Schoonjans	Little Brush Creek	3	10	7	1.5	5.28	1500	1428.65	1911
9648	2	John Storrie	Hat Creek	....	7	4	1.5	5	850	430	1913
9649	2	John Storrie	Hat Creek	2	7	4	1.5	5	700	417	1913
9650	2	John Storrie	Hat Creek	3.25	7	4	1.5	5	1200	201	1913
9651	2	John Storrie	Hat Creek	1.75	7	4	1.5	5	650	180	1913
9652	2	E. W. Scott	Pompey Creek	.75	3.5	1.5	1	10.56	200	50	1911
9653	2	Harry T. Mills	Mills Draw, Sec. 24, T. 49 N., R. 72 W.	.25	3.5	2.5	1	5.28	50	38	1911
9654	2	Harry T. Mills	Mills Draw, Sec. 24, T. 49 N., R. 72 W.	..125	8	2	1	5.28	25	20	1911
9655	2	Harry T. Mills	Branch Dry Donkey	.25	3.5	2.5	1	5.28	50	10.5	1911
9656	3	Walter L. Stephenson	Green's Creek	.50	2	1	1	25	100	36	1910
9657	3	Charles Nagy, Joseph Tchigg and Frederick Modchiedler	Cottonwood Creek	3.60	7	4	1.5	5.3	600	374	1913
9658	3	Niel Beaton	Dry Creek	4	4	2.5	1	5	3000	140	1913
9659	3	Norman S. Poole	Springs, Sec. 35, T. 56 N., R. 97 W.	10.5	....	....	....	....	100000	....	1911
9660	4	Ernest Kruse	Tom James Creek	1.25	5	3	1	10	1200	112.5	1912
9661	4	E. R. Van Vleet, J. N. Van Vleet, G. W. Woodhouse, Rosina Slagowski and James Merchant	Smith's Fork Creek	1.76	5.5	4	2.5	5.28	100	526.5	1911
9662	4	Eugene R. Van Vleet & James Merchant	Smith's Fork Creek	.544	3.5	2	1	15	25	246	1911
9663	4	John Fickel, G. O., B. H., and D. O. Brewster	Cottonwood Creek	2.04	2	1.5	1	5.28	150	125	1913
9664	4	Martha E. Roberts	Bull Pen Creek	.50	4	3	1	8	300	68	1911
9665	4	C. J. Berg	Springs. Sec. 33, T. 16 N., R. 115 W.	.229	1.5	1	.5	15.84	20	69	1911
9666	4	Frank Malone & Elizabeth Lynch	Malone Creek	2	4	2.5	1	15.84	250	110	1912
9667	4	Frank D. Smith	North Cottonwood Creek	2.5	4	3	1	7	275	165	1911
9668	4	Frank D. Smith	North Cottonwood Creek	2	4	3	1	6	200	152	1911
9669	1	J. Frank Walker	Bates Hole Draw	1.6	5	4	1	6	250	128	1912
9670	1	Jennie R. Hawn	Dry Creek	2.75	3	2	1.5	5	500	102.8	1912
9671	1	Hanna Sheep Company	First Sand Creek	.379	8	6	1	5.28	500	16.50	1910
9672	1	Hanna Sheep Company	Bore Hole Spring	....	....	....	....	....	....	....	1910

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9673	1	Hanna Sheep Company	Spring	.473	4	2	1	5.28	....	....	1910
9674	1	Hanna Sheep Company	Spring	.379	3	2	1	5.28	200	68.5	1911
9675	1	G. T. Eshom	Cooney Creek	1.5	5	3	1	10	300	96.7	1911
9676	1	Estella L. Reynolds	South Branch Running Water Creek	.04	4	3	.75	7	25	....	1911
9677	1	Estella L. Reynolds	North Branch Running Water Creek	1	4	3	.75	5	80	32	1911
9678	1	Bullock Ranch Cattle Co.	Laramie River	2.52	12	8	2	1.58	1700	211.92	1913
9679	1	Isaac C. Miller	Sand Creek	4.25	7	4	1.5	4	1000	682	1913
9680	2	State of Wyoming	Ravine, Sec. 16, T. 37 N., R. 62 W.	.50	5	3	.75	5.28	30	20	1912
9681	2	L. R. Davis	South Beaver Creek	.053	1	1	.8	10	50	5	1910
9682	2	Frederick E. Guthrie & Empire Sheep Company	Trail Creek	.875	6	3.5	1.5	5	200	91	1911
9383	2	William C. & Arlie A. Coleman	Coleman Draw, Sec. 3, T. 54 N., R. 81 W.	1.50	3	2	1	5.28	400	104	1911
9684	2	William C. & Arlie A. Coleman	Dutch Creek	1	3	2	1	5.28	150	80	1911
9685	2	Joshua Eggart	Draw, trib. Twin Creek	.75	3	1	1	10.56	50	13	1912
9686	2	Roy R. Randall	Spring, Sec. 5, T. 48 N., R. 60 W.	.114	1.5	1	.5	10	35	11	1911
9687	2	Ralph E. Graves	South Fork North Buffalo Creek	.75	4	2	1	5.28	100	54	1912
9688	2	John Pearson	Poison Creek	1.25	2	1.5	1	2.6	200	66	1911
9689	2	Donald Thompson	Thompson Fork Town Gulch	1	5	3	1	5.28	250	76	1911
9690	2	Davis & Collins	Gate Draw	.75	6	5	1	5.28	100	219	1912
9691	2	Davis & Collins	Long Draw	.50	6	5	1	5.28	75	23	1912
9692	2	Joseph L. Jordan	E. Turner Creek	.667	6	3	1	7.50	100	29.8	1911
9693	2	Emmitt L. Hutsonpiller	East Cabin Creek	.25	5	3	1	7.28	25	7	1911
9694	2	Emmitt L. Hutsonpiller	West Cabin Creek	1	5	3	1	7.28	75	25	1911
9695	2	Alice M. Watt	East Fork Cabin Creek	.75	6	4	1	7.28	50	29	1911
9696	2	Alice M. Watt	Wagon Road Draw	1.25	6	4	1	7.28	75	35	1911
9697	3	Heirs of John M. Barry	Kirby Creek	1.10	4	2	1	5.3	245	96	1912
9698	4	W. H. Taylor & E. H. Parkison	Middle Piney Creek	9	20	10	5	4	25000	15378	1914
9699	3	Bruce Murphy & James Speers	Buffalo Creek	4.5	4.5	3	1.5	8	500	271	1911

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9700	3	Gertrude E. Hillberry	Buffalo Creek	1.75	4.5	3	1.5	8	200	129	1911
9701	3	George W. Wortham, William Goshart & Charles E. Bain	Gooseberry Creek	.125	32	16	4	2.26	300		1913
9702	1	Wilson S. Miller, et al	Lane Canon Gully, Sec. 21, T. 22, R. 64	.50	49	40	3	2.64	1000	920.80	1911
9703	1	Wilson S. Miller, et al	Box Elder Creek	3	9	3	2	2.64	1500	920.80	1911
9704	1	Wilson S. Miller, et al	Box Elder Creek	1.25	21	12	3	2.64	3000	920.80	1911
9705	3	Nelson Sidenbender & Minnie Pierce	Badwater Creek	1	4	3	2	10.56	500	36	1912
9706	3	Nelson Sidenbender	Badwater Creek	.4	2.5	2	2	5.28	100	6	1911
9707	3	P. B. Dykeman	North Fk. Popo Agie R.	.284	5	5	5	7	6000		1913
9708	3	James, Wm. L., & Thomas Duncan	North Fk. Wind River	4	8	5	1.5	6	5000	1371	1913
9709	3	Maggie Hatton	Spring, Sec. 30, T. 54 N., R. 101 W	1.280					1797.80	10	1912
9710	3	W. F. Davis	Bennett Creek	1.25	4	2	1	5.28	400	160	1912
9711	3	Robert & Roy Lampert	Spring, Sec. 3, T. 42 N., R. 95 W	.001					25		1912
9712	3	Lizzie L. Davis	Floodwater, Sec. 11, T. 52 N., R. 102 W	.75	4	3	1	5	150	95	1912
9713	3	Z. A. Morran	Dry Creek	.88	4	3	1	7.92	150	94	1912
9714	3	S. P. Harris & P. Maloney	Big Horn River	1.03	4	8	1	5.28	600	58	1913
9715	3	W. O. P. Fullerton	Spring, Sec. 31, T. 55 N., R. 103 W	.125	1.5	1	.25	10	25	3	1911
9716	3	C. M. Wolf, et al	Badwater Creek	6.6	6	5	2	10.56	7500	1098	1913
9717	3	Fulton R. Morris	Springs, Sec. 23, T. 49 N., R. 88 W	2					100	33	1911
9718	3	M. C. Bradley	Tough Creek	1.25	6	4	1	5.5	200	160	1913
9719	3	Carl Wagner & H. M. Jones	Tough Creek	2.27	3.5	3	1	37.2	350	362.84	1912
9720	3	I. D. Woodward	Badwater Creek	1.20	6	4	1	5.5	200	36.2	1913
9721	3	R. L. McGin	S. Fk. Wagon Hawn Cr.	1	11	5	2	5.28	300		1913
9722	3	R. W. Philburn	Muddy Creek	1	6	4	1	17.6	300	158.6	1912
9723	3	W. W. Philburn	Sheep Creek	.38	5	3	1	10.56	150	50.10	1913
9724	3	Chris & Brigham Nielson	E. Fk. Sheep Creek	3.6	8	5	1	10.56	700	158.40	1912
9725	3	Ursula R. Young	N. Fk. Owl Creek	1.06	5	3	1	5.3	200	91.5	1912
9726	3	E. M. Shoop	Spring, Sec. 25, T. 9 N., R. 2 E	.17	5	3	1	15.9	25	48	1913

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9727	3	L. R. Kirby, et al.	Cottonwood Creek	3.5	7	4	1.5	5	1200	848	1912
9728	1	Sampo Coal Company	Draw, trib. Medicine Bow River	.682	......	......	......	......	1000	......	1913
9729	1	Mrs. Bertha Stroschein	Dutton Creek	1.5	7	3	2	5	500	230.02	1913
9730	1	E. A. Perrine	Dutton Creek	......	7	3	2	5	700	199.78	1913
9731	1	J. R. Rollman	Turnbull Creek	1	4	2	1	5	100	130	1911
9732	1	W. C. Ledbetter	Indian Creek	1	5	3	1	5	100	245	1913
9733	1	Wm. H. D'Esterre	Indian Creek	1.5	8	6	1	5	150	281	1913
9734	1	Owen D. Evans	Two Cabin Creek	1.063	3	2	1	9	200	55.4	1911
9735	1	Dean A. Nickerson	One Cabin Creek	1	3	2	1	8	200	31.2	1911
9736	1	N. L. Wiggin	Rawhide Creek	2.1	10	6	3	2	1800	290.5	1913
9737	1	A. B. Robertson	Draw, Sec. 33, T. 27 N., R. 63 W.	1	6	2	2	3.16	600	111	1913
9738	2	A. M. Brock	Surface water, Sec. 31, T. 47 N., R. 81 W.	1	2.5	1.5	.67	41	150	32.8	1911
9739	2	John Fish	South Fk. Red Fk. Powder River	1.5	4	3	1	8	500	87	1911
9740	2	Lucinda I. Gammon	Gardner Creek	3.25	3	2	.8	10	500	87	1912
9741	2	John P. Gammon	Spring, Sec. 29, T. 47 N., R. 84 W.	.875	2	1	1	26	100	19	1911
9742	2	Thomas M. Corpe	Dry Beaver Creek	.25	3	2	1	10.28	150	10	1911
9743	2	Wm. Jenkins	Tom Cat Creek	.14	6	4	1	4	100	97	1911
9744	2	T. L. Fox	Sundance Creek	.139	......	......	......	......	100	.167	1911
9745	2	Steven Banks	Spring, Sec. 22, T. 50 N., R. 63 W.	.50	3	2.5	.5	5.2	150	30	1911
9746	2	David & Alice Darlington	Spotted Horse Creek	1.374	......	......	......	......	500	48	1911
9747	2	John Berry	Fiddler Creek	3.535	9.5	5	1.5	5.28	1128	242	1913
9748	2	William Timm	Owl Creek	.25	5	3	1	7.25	40	10	1911
9749	3	Charles W. Mahan	Gooseberry Creek	2.75	7	4	1.5	5.28	2000	311	1912
9750	1	Allyn Scovill	Mill Creek	.25	2	2	1	6	100	12	1910
9751	1	Lincoln Land Company	Fox Creek	2.25	12	6	2	2.64	......	360	1912
9752	1	Lincoln Land Company	Fox Creek	3.75	12	6	2	2.64	300	731	1912
9753	1	Etta Irvin	Draw, trib. Cottonwood Creek	.50	7	3	2	3.16	250	......	1913

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9754	1	Etta Irvin	Draw, trib. Cottonwood Creek	.6	6	2	2	3.16	200	51.5	1913
9755	1	C. R. Countryman	Willow Creek	.75	3	2	1	5	100	70	1913
9756	1	Mrs. S. F. Sheehan	Sweetwater River	2	4	3	1	4.23	800	91	1912
9757	1	Yellow Stone Sheep Company	Springs, Sec. 35, T. 27 N., R. 101 W.	.057	......	......	....	....	....	....	1912
9758	1	K. McKinney	Organ Gulch, Sec. 30, T. 27, R. 100	3.5	4	3	1	5	600	320	1913
9759	1	C. A. Wiant	Hay Creek	3.1	4	2	1	5	200	166	1913
9760	1	Mrs. Hanna Lakanan	Lakanan Draw, Sec. 32, T. 32, R. 75	.25	3	1.5	.8	10	50	10.2	1912
9761	1	Mrs. Hanna Lakanan	Sutphen Draw, Sec. 32, T. 32, R. 75	.25	3	1.5	.8	12	45	6	1912
9762	1	Philip M. Flavin	Three Mile Gulch	1.356	7	5	1	5	550	217.5	1913
9763	1	Samuel Ballard	Curtiss Creek	.322	6	4	1	5	20	38	1912
9764	1	Samuel Ballard	Curtiss Creek	.155	6	4	1	5	20	15	1912
9765	1	Samuel Ballard	Curtiss Creek	.2	6	4	1	5	20	15	1912
9766	2	Serene C. Holst	Oil Creek	.928	5	3	1.5	5.28	200	44	1911
9767	2	Serene C. Holst	Oil Creek	.7	5	3	1.5	5.28	150	32.6	1911
9768	4	W. F. Cunningham	West Twin Creek	.5	3	2	1	20	60	60	1912
9769	4	J. P. Nelson	Spring	.5	3	2	1	13.25	50	40	1911
9770	4	Mary L. Scott	Burcher Creek	.625	3	2	1	....	50	49	1912
9771	4	Dominico Barra	Hay Hollow Creek	1.4	4	3	1	12	300	68	1912
9772	4	Henry Franklin	Cravin Creek	.8	4	3	1	10	300	54	1912
9773	4	Henry Franklin	Cravin Creek	1	4	3	1	10	250	81	1912
9774	4	John Heaton, et al	Spring Creek	2.25	2.5	2	.5	10	800	....	1913
9775	4	John Heaton, et al	Cottonwood Creek	1.50	2.5	2	.5	10	500	421	1913
9776	4	Mrs. Laura Scruggs	Smiths Fork Creek	.167	1.5	1	1	25	15	124	1911
9777	4	Mrs. Laura Scruggs	Smiths Fork Creek	.121	1	.5	.5	25	10	29	1911
9778	4	Mrs. Laura Scruggs	Smiths Fork Creek	.019	.5	.3	.3	20	500	4	1911
9779	3	Harley E. Taylor, et al	Big Horn River	4.90	8	6	1.5	5.28	2400	613.66	1914
9780	3	C. E. Cronn	North Fork Owl Creek	2.95	6.4	4	1.2	5.3	450	328	1913
9781	3	Myron C. McGrath	West Fork Dry Creek	.61	4.5	3	1	10.56	100	....	1913
9782	3	Oliver Allen & Quinçey Chance	Clarks Fork River	2.65	6	4.5	.7	3.5	500	308.05	19
9783	3	Ned W. Frost	Bennett Creek	1	4	3	1	5.28	300	87.28	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom. Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9784	3	Geo. L. White, et al	Dorsey Creek	2	3	2	1	5.28	300	140	1912
9785	3	Philip McClure	Spring, Sec. 4, T. 6 N., R. 5 E.	.37					180		1911
9786	3	Philip McClure	Spring, Sec. 9, T. 6 N., R. 5 E.						25		1911
9787	3	Philip McClure	Spring, Sec. 9, T. 6 N., R. 5 E.	.017					50		1911
9788	3	Elizabeth Hyatt	Medicine Lodge Creek	.7	3	2	1	64		40	1910
9789	3	E. M. Ilg, et al	Paint Rock Creek	.5	3	2	1	15	50	7	1911
9790	1	Frank W. Vail	Pole Creek	.625	3	2	1	7	100	14.1	1911
9791	1	Frank W. Vail	Pole Creek	1	3	2	1	7	100	17.2	1911
9792	1	H. B. Goldsmith	North Laramie River	1	3	2	1	8	1500	77	1912
9793	3	Clarks Fork Irrigation Company	Clark's Fork River	55	27	12	5	10.56	418142	54115	1914
9794	2	Nora M. Dale	East Branch Robber's Roost Creek	.353	14	9	2.5	2.5	300	240	1911
9795	2	Nora M. Dale	East Branch Robber's Roost Creek	.321	14	9	2.5	2.5	250	240	1911
9796	1	Louis C. Todd	Fish Creek	3.5	6	4	1.5	3.20	2000	320	1912
9797	2	Maude Wakeman	Wakeman Draw, Sec. 17, T. 49, R. 66	.928	6	4	1	2.5	150	211	1911
9798	2	Jessie A. & John W. Mulholland	Fork Wind River	.985	6	4	1	4	100	176	1911
9799	2	Jessie A. & John W. Mulholland	Fork Wind River	.928	6	4	1	4	100	108	1911
9800	2	P. C. Winter	Clear Creek	.587	6	4	1	2.64	200	24	1911
9801	2	P. C. Winter	Clear Creek	.25	4	2	1	2.64	50	29	1911
9802	2	P. C. Winter	Clear Creek	.50	6	4	1	2.64	100	30	1911
9803	2	Mrs. Bessie Knight	Dry Draw, Sec. 33, T. 42 N., R. 61 W.	.93	5	3	1	5	500	14	1913
9804	2	Mrs. Bessie Knight	Dry Draw, Sec. 4, T. 42 N., R. 61 W.	.68	5	3	1	5	300	108	1913
9805	2	Mrs. Bessie Knight	Dry Draw, Sec. 4, T. 42 N., R. 61 W.	.28	5	3	1	5	150	74	1913
9806	2	Lita Marlenee	Lime Stone Draw, Sec. 5, T. 56, R. 75	1	14	12	1	5.28	550	39	1912
9807	2	Lita Marlenee & Lydia A. Yerger	Marlenee Draw, Sec. 31, T. 57, R. 75	.50	12	10	1	5.28	85	63	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9808	2	Lydia A. Yerger	Yerger Draw, Sec, 30, T. 57 N., R. 75 W	.34	14	12	1	5.28	450	23	1912
9809	2	Lydia A. Yerger	Yerger Draw, Sec. 30, T. 57 N.. R. 75 W	.284	14	12	1	5.28	200	31	1912
9810	2	Dome Lake Reservoir Co.	W. Fk. Big Goose Creek	27.75	12	6	3	8		1334.5	1910
9811	2	Orr A. Baker, et al.	S. Jennie Duncan Draw	1.25	4	2	1	10.56	180	36	1912
9812	2	Mrs. Jennie E. Butterfield	Jennie E. Butterfield Draw	.434	2	.5	1	10.56	50	6	1912
9813	1	A. J. Roath	Chugwater Creek	6	7	3	2	5.28	3000	714.5	1913
9814	1	George F. Stilphen	Bearpen Creek	.50	3	2	.5	8	60	87	1911
9815	1	George F. Stilphen	Bearpen Creek	.50	3	2	.5	8	60	47	1911
9816	1	H. E. Wheeler & L. J. Carmichael	Dry Laramie River	1.50	12	8	2	4	700		1911
9817	1	H. E. Wheeler & L. J. Carmichael	Dry Laramie River	1.50	12	8	2	4	700	232	1911
9818	1	H. E. Wheeler & L. J. Carmichael	Dry Laramie River	.50	9	5	2	4	100	188.5	1911
9819	1	McDonald & Arnold	Muddy Creek	2	7	5	1	2.64	300	308	1912
9820	1	Ethel Wallace	Cooper Creek	4.1	6	6	1.5	5	2000	762.1	1914
9821	1	Ethel Wallace	Cooper Creek	2.1	6	6	1.5	5	1000		1914
9822	1	Bert Strong	Fence Creek	.8	4	2	1	5	400	160	1912
9823	1	Veta L. Miller	Dry Creek	1.112	4	3	1	7.92	160	42.8	1912
9824	1	A. K. Walla	Red Butte Springs	.27				8	300		1911
9825	1	George S. Smith	Greasewood Creek	1	5	3	1	5	100	314	1912
9826	1	James S. Dixon	Jimmie Creek	1	3	2	1	5.28	100	272	1912
9827	1	James S. Dixon	Hattie Creek	1.25	3	2	1	5.28	100	236	1912
9828	1	Mrs. Mabel Edith Allen	Spring Creek	1.25	3	2	1	10.56	100	140	1913
9829	1	Gardiner S. Clayton	West Vernon Creek	.151	3	2	.5	5	10	8	1911
9830	1	Gardiner S. Clayton	East Fk. Vernon Creek	.085	3	2	.5	5	10	5	1911
9831	1	Robert D. Carey	Box Elder Creek	18	25	16	3	3	23329.90	5670	1914
9832	1	J. M. Trevett	Natural Lake Beds	2.6	6	2	2	5.28	19000	463	1914
9833	1	F. T. Humberson	South Elk Horn Creek	5.7	14	8	3	4.5	16000		1914
9834	1	F. T. Humberson	South Elk Horn Creek	5.2	8	4	2	4.5	6000	1193	1914
9835	1	James Gallager	Marble Quarry Creek	.85	5	3	1	10.56	100	43.5	1911
9836	1	D. R. Ellis	South Elk Horn Creek	2.5	6	2	2	5.28	700	101	1912
9837	1	James Grant	Spring Creek		5	4	.5	5	45	20	1913
9838	1	Tony Tomiska & Joe Butcher	Dry Draw, trib. Fish Cr.	1.5	3	1.5	7	5.28	65	111.44	1913
9839	1	Tony Tomiska & Joe Butcher	Dry Draw, trib. Fish Cr.	.50	3	1.5	1	5.28	50	64.43	1913
9840	1	Tony Tomiska & Joe Butcher	Dry Draw, trib. Fish Cr.	.75	3	1.5	1	5.28	50	183	1913

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9841	1	Mrs. Rose Tomiska & H. K. Tire	Dry Draw, trib. Fish Cr.	.96	21	12	3	5.28	600	....	1913
9842	1	Mrs. Rose Tomiska & H. K. Tire	Dry Draw, trib. Fish Cr.	1.04	7	3	2	5.28	135	134.21	1913
9843	1	Mrs. Rose Tomiska & H. K. Tire	Dry Draw, trib Fish Cr.	1.76	7	3	2	5.28	185	147.23	1913
9844	1	Joe Tvaruzek	Hunton's Creek	.398	9	6	1.5	3.5	150	59	1911
9845	1	Correnia A. Sullivan	Mountain Lion Creek	1	6	2	2	5.2	200	40	1914
9846	1	Northwestern Land & Iron Co.	Medicine Bow River	7.855	....	....	....	....	71761.63	....	1912
9847	1	Wm. Wilson & Jack Shaw	Lost Creek	1.5	3	1	1.5	15	250	70	1912
9848	1	A. K. Walla	Willow Creek	.595	5	2	1	3	75	....	1912
9849	1	A. K. Walla	Willow Creek	.53	1.5	1.5	1	2.5	50	54	1912
9850	2	Gertrude N. Rouch	Newby Creek	1.49	6	4	1.5	5	400	226.7	1913
9851	2	Gertrude N. Rouch	Newby Creek	.67	6	4	1.5	5	400	55.4	1913
9852	2	Lillie Thomas	Buffalo Creek	.186	6	4	1	5	100	158	1911
9853	2	Frank Watt	Box Elder Creek	.208	6	4	1	5	50	52	1911
9854	2	Frank Watt	Box Elder Creek	.152	6	4	1	5	40	24	1911
9855	2	Peter Jordan	Jordan Draw	.530	8	6	1.5	5	80	102	1911
9856	2	Harry M. Hunter	Olmstead Creek	.25	3	2.5	1	5.28	50	25	1912
9857	2	Harry M. Hunter	Olmstead Creek	.25	3	2.5	1	5.28	50	5	1912
9858	2	Niels C. Sorenson	Post Draw	1	8	6	1	5.28	300	66	1912
9859	2	John L. Baird	Skull Creek	2.741	8	5	1.5	7	1150	167	1911
9860	2	Amy P. Sweet	Dry Creek	.642	5	3	1.5	10	130	69.9	1910
9861	2	Amy P. Sweet	Dry Creek	.411	5	3	1.5	10	80	8.5	1910
9862	2	Frank Robison	Dry Draw, trib. Cheyenne River	3.2	10	8	1	5	2500	189	1913
9863	2	Frank Robison	Dry Draw, trib. Cheyenne River	3.2	10	8	1	5	2500	189	1913
9864	2	Frank Robison	Dry Draw, trib. Cheyenne River	3.2	10	8	1	5	2500	....	1913
9865	2	Frank Robison	Dry Draw, trib. Cheyenne River	.09	10	8	1	5	50	....	1913
9866	2	Marie Kinniman	Inyan Kara Creek	.117	6	4	1	5	50	12	1911
9867	2	Marie Kinniman	Inyan Kara Creek	.117	6	4	1	5	80	7	1911
9868	2	H. E. Kinniman	Inyan Kara Creek	.587	6	4	1	3	300	38	1911
9869	2	John Lull	Springs, Sec. 22, T. 49 N., R. 63 W.	....	....	....	....	....	....	....	1911
9870	2	John Lull	Trib. Inyan Kara Creek	.186	6	4	1	5	75	39	1911

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9871	2	William T. Roberts	Camp Creek	1	4	3	1	5	200	115	1912
9872	2	William T. Roberts	Dog Creek	.75	4	3	1	5	150	92	1912
9873	2	John T. Daly	Raw Hide Creek	.375	4	3	1	5.28	50	26	1911
9874	2	Bessie Belle Gupton	Soft Water Draw	.50	3.5	3	1	5.28	100	92	1912
9875	3	Sara A. Wilson, et al	Tough Creek	.549	4	3	1	100	500	3	1912
9876	3	Sara A. Wilson, et al	Tough Creek	.75	4	3	1	100	500	6.5	1912
9877	3	Samuel B. Parkins	Big Horn River	.25	40	2.5	1.5	5.28	600	31	1910
9878	3	Margurite Johnson	Big Horn River	.1	5	3	1	5	350	105	1912
9879	3	Benjamin F. Fickel	Springs	.25	3	1	.5	10.56	50	3	1911
9880	3	H. M. Snell	Big Horn River	.75	5	3	1	10	2500	77	1913
9881	3	R. P. Kyle	Muddy Creek	1	5	3	1	10.56	250	90.60	1912
9882	3	Herman H. Bierman	Owl Creek	.77	6	4	1	5.3	300	155.6	1912
9883	3	Wm. Thompson	North Fork Owl Creek	.341	5	3	1	5.3	150	65.2	1912
9884	3	H. R. Moss	North Fork Owl Creek	3.72	6	4	1	5.3	1000	96.4	1912
9885	3	Henry Johnson	Bear Creek	.75	7	3	1.5	6	750	96.60	1914
9886	3	Henry Johnson	Spring	.265	......	......	......	......	400	......	1913
9887	3	Charles O. Spence	Bear Creek	1.25	6	3	1	10	800	98.7	1913
9888	3	Edward L. Crabb	Dry Creek	2.29	4	4	1.5	7.92	550	154.5	1913
9889	3	Wm. Thompson	Owl Creek	1.21	5	3	1	5.3	200	91	1913
9890	4	W. H. Gottsche	Spring	......	......	......	......	......	40	......	1911
9891	4	W. H. Gottsche	Dan's Creek	......	......	......	......	......	......	......	1911
9892	4	Harry R. Robison	Little Gros Ventre River	2.25	5	4	7	6.67	400	294	1913
9893	4	M. S. & N. W. Reynolds	North Fork Sublette Creek	1.25	6	5	.5	40	200	162	1913
9894	4	Ellen J. Fenn	Corral Creek	1.25	4.5	3.5	1	12	300	144	1912
9895	4	Samuel B. Meyers	Muddy Creek	1.21	6	4	1	6	200	43	1912
9896	4	Oliver M. Twitchel	Grassy Hollow Creek	1	5	3	1	15	200	115	1912
9897	4	Oliver M. Twitchel	Elk Hollow Creek	1	5	4	1	15	200	115	1912
9898	4	A. Molinar	Dry Gulch	.70	3.5	2.5	1	12	250	71	1913
9899	4	G. E. Petereit	Raymond Creek	.5	3	2	.5	50	100	5	1911
9900	4	Gilbert McInnelley	Flat Creek	1.75	4	3	1	10	240	160	1912
9901	1	James Healer	Muddy Creek	1.375	6	4	2	4	350	280	1913
9902	1	Samuel Johnson	Pete's Creek	1.625	4	3	1	42	200	147	1913
9903	1	Town of Douglas	North Platte River	......	......	......	......	......	......	......	1912
9904	1	Gordon L. Wright	Wright Dry Draw	.6	4	3	1	5.28	200	70	1911
9905	1	Gordon L. Wright	Wright Dry Draw	.5	10	6	2	2.64	500	48	1911

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9906	1	L. D. Peck	Cow Creek	1.25	2	1	1	5.28	125	35	1911
9907	2	Herbert B. Andrus	Pine Grove Gulch	.834	5	3.5	1	5.28	300	332	1913
9908	2	Henry Mahnke	Whoop Up Creek	.36	5	3	1	5	175	27	1912
9909	2	Henry Mahnke	Dry Draw	.26	5	3	1	5	125	16	1912
9910	2	S. V. Washburn	Left Fork Blacktail Creek	.017	1	.67	1	5	12	1	1911
9911	2	Henry Knight	Dry Draw	.27	5	3	1	5	125	108	1912
9912	2	Rosa Young	Poison Creek	2	6	4	1	5.28	150	135	1912
9913	2	Lawrence Johnson	Lance Creek	1.5	4.5	3	.75	5.28	500	153	1912
9914	2	J. E. Tillotson	Branch of Arch Creek	.367	6	4	1	....	100	96	1911
9915	2	W. R. Nichols	Arch Creek	.473	6	4	1	5	85	57	1911
9916	2	W. R. Nichols	Arch Creek	.564	6	4	1	5	100	51	1911
9917	2	Ollie M. Maxwell	Hay Creek	.75	5	3	1	5.28	100	50	1913
9918	2	Ollie M. Maxwell	Hay Creek	.50	5	3	1	5.28	65	31	1913
9919	2	Frank A. Nolan	Big Badger Creek	2.25	8	6	1	5.28	500	151	.....
9920	2	James M. Maxwell	Hay Creek	.75	5	3	1	5.28	100	32	1911
9921	2	Louis Johnson	Spring	.273	....	....	....	....	200	....	1910
9922	2	John T. Foster & Christ Hammerson	School House Gulch	1.420	7	5	1	10.56	250	206	1913
9923	2	Bert A. Luman	Clearmont Road Gulch	.814	6	4	1	10.56	125	25	1913
9924	2	Bert A. Luman	Bert's Gulch	.50	6	4	1	10.56	75	39	1913
9925	2	John Pfister	Niobrara River	.455	6	4	1	5	50	58	1911
9926	2	Mrs. Frances Olsen	Niobrara River	1.345	6	4	1	5	100	72	1911
9927	2	Wm. Oliver	Water Shed	.50	4	2	.75	10.56	100	34	1911
9928	2	R. R. Selway	Spring Creek	.25	5	3	1	7.28	50	12	1911
9929	3	E. E. Cole	Spring	.40	5	3	1	10.6	100	76	1913
9930	3	E. E. Cole	Antelope Creek	1.17	5	3	1	10.6	150	124	1913
9931	3	W. L. Rohrer	Grey Bull River	16.9	30	20	5	5.28	88400	....	1914
9932	3	Ed. Miller	Broken Back Creek	.42	3.5	2.5	1	5	400	7	1912
9933	3	Ed. Miller	Broken Back Creek	.47	3	2	1	11	350	27	1912
9934	3	Ed. Miller	Broken Back Creek	.66	4.5	3.5	1	5	600	38	1912
9935	3	J. A. Delfelder	Conant Creek	2	5	4	1	5.28	675	374	1913
9936	3	J. A. Yeates	Jim Creek	3	5	3	1	5.28	250	187.22	1911
9937	3	J. A. Yeates	Jim Creek	.50	4	2	1	5.28	75	29.8	1911
9938	3	Wm. Ingalls	Spring	.43	....	....	....	....	....	25	1912
9939	3	Wm. Ingalls	Spring	.43	....	....	....	....	....	25	1911
9940	1	Wm. D. E. Johnson	Middle Cottonwood Creek	1.25	3	2	.5	26.4	150	30	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9941	1	D. A. Beaton	Sweetwater River	2.125	4	3	1	2.64	450	90.5	1913
9942	1	D. A. Beaton	Sweetwater River	3.5	4	3	1	2.64	550	185	1913
9943	1	John T. Grieves	Willow Creek	.375	3	2	1	10	100	17	1913
9944	1	John T. Grieves	Willow Creek	.25	3	2	1	10	150	....	1913
9945	1	S. W. Johnson, et al	Medicine Bow River	3.5	40	28	6	1.3	60000	2348.11	1914
9946	1	S. W. Johnson, et al	Medicine Bow River	22	40	28	6	1.3	200000	30342.41	1914
9947	1	F. W. Berner	Spring Creek	.52	4	2	1	5.28	200	10.65	1913
9948	1	James E. Smith	Fish Creek	2	5	3	1	5.6	425	92.40	1913
9949	1	John L. McCarey	Little Savery Creek	1.55	5	3	1	18	687	83	1911
9950	1	Mrs. Nora R. McGill	Dover Creek	.51	4	2	1	5	400	12.07	1913
9951	1	Mrs. Nora R. McGill	Dover Creek	.63	4	2	1	5	400	20.29	1913
9952	1	Mrs. Nora R. McGill	Joe Creek	.82	4	2	1	5	400	14.83	1913
9953	1	John A. Meyers	Sweetwater River	2.2	6	4	1	4.22	450	119.7	1914
9954	1	John A Meyers & Jennie J. Meyers	Sweetwater River	2.7	6	4	1	3.17	1350	159.6	1914
9955	1	John A. Meyers & Albert Meyers	Sweetwater River	2.5	9	7	1	3.17	1200	346.8	1914
9956	1	John A. Meyers	Government Meadows Cr.	.375	3	2	.5	4.22	30	3	1911
9957	1	Wm. Reynolds	Cottonwood Creek	.75	3	2	1	20	350	71	1912
9958	1	Thomas D. Fackler	Rocky Ford Creek	2	8	6	2	5	800	836	1914
9959	1	A. H. Bell	North Laramie River	1.07	3	2	.8	8	200	82.17	1912
9960	1	E. F. Wiederander	La Bonte Creek	.75	5	4	.6	5.28	250	45	1911
9961	1	E. F. Wiederander	La Bonte Creek	.852	5	4	.5	5	250	54	1911
9962	1	Lydia Walker	Pine Ridge Draw	3	9	3	2	2.64	150	105.17	1912
9963	1	Mrs. Julia Henke	Grant Creek	.71	4	2	1	....	400	19.58	1914
9964	4	Caroline L. Dodge	Granite Creek	2.5	3.5	3	.7	6	200	68.17	1910
9965	1	Mrs. Julia Henke	Grant Creek	.92	4	2	1	....	400	31.25	1914
9966	1	Mrs. Julia Henke	Lone Tree Creek	.84	4	2	1	5	300	31.91	1914
9967	1	Mrs. Julia Henke	Lone Tree Creek	1.12	2	2	1	5	400	11.4	1914
9968	3	C. T. Johnston, Trustee, State of Wyoming	Big Wind River	40	100	80	10	.5	854000	331708.10	1914
9969	3	C. T. Johnston, Trustee, State of Wyoming	Big Wind River	35	51	35	8	1	458000	91517.58	1914
9970	3	C. T. Johnston, Trustee, State of Wyoming	Dry Creek	1	25	15	5	2.5	5000	....	1914
9971	3	C. T. Johnston, Trustee, State of Wyoming	Red Creek	....	....	....	....	....	....	....	1914

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
9972	1	N. Bagley	Antelope Creek	.5	5	3	1	10.56	50	supply	1911
9973	1	Howard Jackson	Jackson Fork Little Deer Creek	.25	3	2	.5	7.92	30	10	1912
9974	1	Howard Jackson	Jackson Fork Little Deer Creek	.25	3.5	2.5	.5	7.92	40	18.5	1912
9975	1	Howard Jackson	Jackson Fork Little Deer Creek	.25	3.5	2.5	.5	7.92	40	29.5	1912
9976	1	Howard Jackson	Jackson Fork Little Deer Creek	.375	3.5	2.5	.5	7.92	40	16.5	1912
9977	1	Howard Jackson	Jackson Fork Little Deer Creek	.375	3.5	2.5	.5	7.92	40	18	1912
9978	1	Howard Jackson	Jackson Fork Little Deer Creek	.375	3.5	2.5	.5	5.28	50	23	1912
9979	1	Howard Jackson	Cave Creek	.375	3.5	2.5	.5	7.92	40	17.5	1912
9980	1	Howard Jackson	Cave Creek	.375	4.5	3.5	.5	7.92	80	64.5	1912
9981	2	Curtis Elliott	Long Draw	.499	9	6	1.5	3	500	631	1911
9982	2	Curtis Elliott	Elliott Draw	.303	6	4	1.5	5	100	80	1911
9983	2	J. H. Dasch	Oil Creek	.485	6	4	1	5	65	191	911
9984	2	C. L. Davis & Emmett Davis	Lodge Pole Creek	.648	10	6	2	5	300	....	1912
9985	2	C. L. Davis & Emmett Davis	Lodge Pole Creek	.871	6	4	1	3	350	193	1912
9986	2	Lee A. Weir	South Fork Badger Creek	.50	6	3	1	5.28	100	14	1911
9987	2	Lee A. Weir	South Fork Badger Creek	.75	4	2	1	5.28	100	45	1911
9988	2	Jacob Muller	Little Badger Creek	1	5	4	1	....	1000	60	1911
9989	3	George P. Gentner	....	1.25	4	2	.5	5.28	66	45.43	1912
9990	4	Willis McBride	Sams Springs	.50	1	1	.5	50	150	5	1913
9991	4	A. G. Hausman	Rock Creek	2.875	9	6	1.5	5	1500	785	1913
9992	4	Joseph Eggleston	Ditch Creek	2.5	5	4	1	20	150	297	1912
9993	4	Lillie B. McCoy	Matson Springs	.625	4	3	1	5.28	75	30	1911
9994	4	George C. Watts	Carrol Creek	1.25	3	2	.5	10	300	89	1912
9995	4	Charles A. Davis	Black's Fork River	.5	2	1	1	10.56	75	84.5	1911
9996	4	Charles A. Davis	Black's Fork River	.13	1.5	1	.5	10.56	35	31.5	1911
9997	4	Charles A. Davis	Black's Fork River	.239	1.5	1	.5	10.56	20	36.75	1911
9998	1	H. L. Kuykendall	Jack Creek	3.8	6	4	1.5	4	1000	....	1913
9999	1	Lincoln Land Company	Box Elder	1.137	12	4	3	5.28	500	137	1912
10000	1	Emile J. Lemoine	Hansen Creek	....	......	......	....	....	....	....	1911

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
10001	1	Emile J. Lemoine	Bowers Creek	2.75	8	6	1	5.28	2000	136.97	1912
10002	1	Emile J. Lemoine	Bush Creek	.381	3	2	1	20	150	26.10	1911
10003	1	Waverly Keeling	Rock Creek	5.3	5	3	1.33	6.34	9000	1240	1913
10004	1	W. E. Finfrock	Mullen Creek	1	5	2	1	4	100	133	1911
10005	1	Mrs. Tiney V. Knott	Long Gulch Draw	2.25	9	3	2	5.28	100	173.4	1913
10006	1	C. J. Wagers	Spring	1	3	2	1	26.4	250	110	1912
10007	1	Edward Francis & Jesse Cole	South Crow Creek	6.2	12	4	2	5	300	548	1912
10008	1	R. E. Deming	East Fork of West Fork Snake River	2	5	2	1	8	200	145	1911
10009	2	Wm. S. Young & John Ridley	Middle Fork Crazy Woman Creek	2	6	4	1	5.28	1500	80	1913
10010	2	William M. Morrison	Two Tree Creek	1.03	5	3	1	5	250	....	1913
10011	2	Blanche Butler	Sand Draw	.375	4.5	3.5	1	5.28	100	26	1911
10012	2	C. P. Berry	Corral Creek	.398	6	4	1	5	250	68	1911
10013	2	Charles O. Rose	Rose Creek	1	6	4	1	5	400	106	1911
10014	2	Omer C. Hurtt	Springs	1.50	4	4	2	5.28	1000	48.21	1912
10015	2	Dighton T. Biggs	Biggs Draw and Springs	.171	2	1.5	.5	10	30	5	1911
10016	2	Big Horn Town Site Ditch Co	Jackson Creek	.758	4	3	.5	18	25	62	1911
10017	3	William Ingalls	Springs	....	....	....	....	....	....	....	1911
10017	3	William Ingalls	Springs	....	....	....	....	....	....	....	1911
10019	3	L. C. & H. A. Robinson	Middle Fork Mud Creek	2	5	3	.5	8	850	116	1912
10020	2	L. E. Long	Lone Tree Creek	.751	6	4	1	5	50	132	1911
10021	1	George S. Brow	Lathon Creek flood waters	.75	5	4	1	5	100	46	1912
10022	1	Godfrey P. Brow	Mill Creek flood waters	.50	4	3	1	5	75	45	1911
10023	2	C. W. Stroud	Pompa Creek	1.50	5	3	1	10	200	103	1912
10024	2	Edwin N. & Byrlie Fields	Middle Fork Arkansas Cr.	1	4	3	1	5.28	80	68	1911
10025	2	Byrlie Fields	Arkansas Creek	.25	4	3	1	5.28	25	18	1911
10026	2	Mida E. Thompson	Sheeny Gulch	1	7	5.5	1	5	250	15	1911
10027	2	Mida E. Thompson	Sage Gulch	.50	7	5.5	1	5	150	29	1911
10028	2	Arthur E. Beitel	Beitel Draw	1.25	4	3	1	5.28	100	202	1912
10029	1	John Almeda	Almeda Creek	.36	1.5	1	.5	5	50	16.45	1911
10030	3	Wm. Brice	Brice Springs	.341	2	1.5	5	5.28	100	11.5	1911
10031	3	Mary E. Painter	Painter Creek	1.25	5	3	1	5.28	150	158	1911
10032	4	Hannah Edwards	Seepage Creek	2	4	2	1	6	50	168	1912
10033	4	Charles L. McKay	South Dempsey Creek	1.25	4.5	3.5	1	8	250	....	1913

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
10034	4	Charles L. McKay	South Dempsey Creek	1.25	4	3	1	8	300	102	1913
10035	4	John J. & Clara McKee	Spring Creek	1.2	5	4	1	12	800	248	1913
10036	4	Robert Pemble	Lake Creek	.875	4	3	1	6.5	400	65	1913
10037	4	W. S. Peck	Six Mile Spring Creek	.50	2	1	.5	6	200	12	1912
10038	4	Sarah J. Glover	Willow Creek	5.25	8	6	1.5	5	2200	332	1914
10039	4	C. F. Webb	Horse Creek	1.5	6	4	1	6	150	178	1912
10040	4	Frank Ellison & Heber M. Campbell	Green River	5	8	6	1.5	6	1500	315	1913
10041	4	Elias Wilson	Imeson Spring Run	.25	1	1	1	6.67	50	5	1911
10042	1	H. Jane Pfister	Niobrara River	.511	5	4	.5	5	50	71	1912
10043	2	Peter Peterson	Dry Draw, trib. Old Woman Creek	1.38	6	5	1	5	300	131	1913
10044	2	Peter Peterson	Dry Draw, trib. Old Woman Creek	.63	6	5	1	5	140	56	1913
10045	2	Peter Peterson	Dry Draw, trib. Old Woman Creek	.56	6	5	1	5	130	23	1913
10046	2	Peter Peterson	Dry Draw, trib. Old Woman Creek	.46	6	5	1	5	120	40	1913
10047	2	Peter Peterson	Dry Draw, trib. Old Woman Creek	.21	6	5	1	5	70	39	1913
10048	2	Peter Peterson	Dry Draw, trib. Old Woman Creek	.27	6	5	1	5	100	23	1913
10049	2	E. C. Green	Rock Draw	.50	5	3	1	5.28	50	40	1913
10050	2	Della Green & A. R. Laier	Worley Draw	.75	4	4	1	5.28	75	38	1913
10051	3	W. R. Hardy	Meadow Creek	.87	6	4	1	10.6	150	....	1912
10052	3	Harry O. Bagley	North Fork Mud Creek	.50	4	2	....	10.6	250	61	1913
10053	3	G. W. Black	Crystal Creek	.073	24	8	4	10	150	....	1913
10054	3	G. W. Black	Roane Creek	.50	5	4	.5	7.5	350	....	1913
10055	3	Milton J. Meyers	Spring	.057	....	....	....	....	125	....	1912
10056	3	Town of Riverton	Big Wind River	.501	....	....	....	....	25000	160	1911
10057	3	Asmus Boyson	Big Horn River	31.77	31	22	4.5	2.64	198875	16248.4	1914
10058	3	B. C. Holman	Ishawooa Creek	1.50	4	3	1	10.5	500	188	1912
10059	3	Thos. Shockley & Ed. Stowe	Green Cove Draw	6	5	3	1	8	600	100	1912
10060	3	Jacob C. Trizon	Springs, Sec. 16, T. 48 N., R. 87 W.	1.25	2	1.5	1	8	800	82	1913

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade. Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
10061	3	Jacob C. Trizon	Springs, Sec. 21, T. 48 N., R. 87 W.	.25	2	1.5	1	15	200	8	1912
10062	3	Town of Worland	Big Horn River	2.41					40000		1911
10063	3	Mary Barnett, et al	Porcupine Creek	3	6	4	1	7.5	2000		1914
10064	4	Frank Sebastian	Spring, Sec. 7, T. 42 N., R. 115 W.	.25					150	5	1911
10065	4	Mary S. Lovejoy	Spring, Sec. 7, T. 42 N., R. 115 W.	.375	1	1	.5	30	50	5	1911
10066	1	Herbert C. Leavitt	Springs	.240	2.5	1.5	1	75	500	53.9	1913
10067	1	Etta R. Rutherford	Dry Creek floodwaters	.852	5	4	.5	5	75	114	1913
10068	1	Wm. Chambers	Moses Creek floodwaters	.303	4	3	.5	5	100	65	1911
10069	1	E. S. Bell	Hutching Creek	1.125	3	2	1	7	300	66.4	1911
10070	1	Benjamin L. Bean	Meadow Creek	.66	2	1.5	.8	8	250	81.8	1913
10071	1	Benjamin L. Bean	Spring Draw	.38	1.5	1	.5	8	100	11.8	1911
10072	1	Mrs. Ada L. Burnett	Burnett Creek	.688	3	2	1	8	150	45	1911
10073	1	Mrs. Eva L. Dodge	Lime Creek	2.7	5	3	1	5	300	1354	1913
10074	1	Mrs. Martha Atkinson	Unnamed Creek	1.5	5	3	1	6	300	63	1911
10075	1	Mrs. Martha Atkinson	Unnamed Creek	1.6	5	3	1	6	350	63	1911
10076	2	M. J. Luman	Floodwaters Belle Fourche River	1.2	4	3	.5	6	150	100	1913
10077	2	J. W. Luman	Floodwaters Belle Fourche River	.625	4	3	.5	6	50	60	1913
10078	2	Franco Oil Company	Salt Creek	2					15000		1913
10079	2	Georgie Adams & W. A. Peters	S. R. Creek	3.220	4	2	1	10.56	500	104	1913
10080	2	J. C. Loyd	High Meadow Gulch	.208	4	2	1	10.56	50	67	1912
10081	2	Rosa A. Mein	Floodwaters Jim Crow Cr.	4	6	4	1	10.56	1300	241	1913
10082	2	A. L. Peters	Peters Gulch	.493	4	2	1	10.56	75	11	1912
10083	2	A. E. Upton & A. L. Peters	Badger Creek	1.345	4	2	1	10.56	175	52	1912
10084	2	A. E. Upton	Upton Gulch	.379	4	2	1	10.56	50	5	1912
10085	2	James H. Valleau	Green Draw	.5	5	3	1	5.28	200	21	1912
10086	2	William S. Marlenee	Dutch Creek	.25	5	3	1	5.28	35	8	1911
10087	2	William S. Marlenee	Dutch Creek	.180	1	1	1	5.3	115	10	1911
10088	2	Alice Barbour & C. E. Hover	Coyote Canyon	1.250	7	5	1	8	500	336	1911
10089	2	Andrew Fogelberg	Small trib. Soda Creek	.360	6	4	1	5	100	7	1911
10090	2	Harry H. Evans	Spring Creek	2.5	5	3	1	10.56	250	52	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
10091	2	Scotch Company	Little Willow Creek	.5	4	2	1	5.28	200	149	1911
10092	3	F. D. Kennedy, et al	Fifteen Mile Creek	5.2	12	6	2	5.28	2000	791.15	1913
10093	1	Bob Williams & E. E. Wood	South Fork Willow Creek	.375	4	2	1	5.28	125	17.8	1912
10094	1	I. C. Miller	Springs, Sec. 9, T. 24 N., R. 85 W.	.2	2.5	1.5	.5	5.28	75	30	1912
10095	1	Saratoga Live Stock Company	North Platte River	.85	4	3	.5	10-15	500	264	1911
10096	1	Louis C. Todd	Cottonwood Creek	12.5	16	10	3	3.20	39000	8096.4	1913
10097	1	Levi C. Bell & D. J. McDonald	Casper Creek	1.2	4	3	1	7.92	250	68	1913
10098	1	Donnel Sheep Company	O'Brien Spring Creek	.4	3	1	1	10	150	15.4	1911
10099	4	W. H. Taylor	North Horse Creek	2.5	10	6	2	4	1000	1844	1912
10100	1	Angelo J. Chidester	Stone Quarry Gulch	.5	3	2	1	6	100	25	1912
10101	1	Angelo J. Chidester	Stone Quarry Gulch	.50	3	2	1	6	100	43	1912
10102	2	W. D. McKeon	Cheyenne River	1.648	6	3	1.5	5.28	264.84	144.47	1913
10103	2	Mrs. W. E. White	Cheyenne River	3	9	5	2	5.28	1258.04	502.70	1912
10104	2	Mrs. W. E. White	Cheyenne River	.654	4	2	1.5	16	71.15	100.95	1911
10105	3	George Frohme	Gooseberry Creek	1.25	5	3	1	5.28	150	73.5	1912
10106	3	George Frohme	Gooseberry Creek	2.25	4	2	1	5.28	250	95	1912
10107	3	W. Fred Pratt	Red Creek	.824	3	2	1	10.56	75	....	1912
10108	3	William Madden	Warm Spring Creek	.654	5	3.5	1	10.56	100	....	1913
10109	3	William Madden	Warm Spring Creek	.612	....	....	....	....	200	....	1913
10110	3	James Brightop	Crow Creek	2.78	4.5	3.5	1	5.28	975	101	1913
10111	3	H. O. Emery	Springs, Sec. 3, T. 42 N., R. 95 W.	....	....	....	....	....	50	....	1912
10112	3	A. P. Hosie	Holland Creek	.455	2	1.5	1	10.56	50	....	1911
10113	3	Lewis Holdberg	Prong Dry Creek	.748	3	2	1	10.56	200	39	1913
10114	3	H. A. Olson	Springs, Sec. 3, T. 7 N., R. 5 W.	.436	3	2	1	10.56	200	81	1912
10115	3	Perry Westfall	Branch of Dry Creek	.884	3	2	1	10.56	225	84	1913
10116	3	Thomas Moriarty	Wind River	.75	5	3	1	8	150	31	1912
10117	3	Willard Closson	Bear Creek	.388	3	2	1.5	3.5	300	18	1911
10118	3	Kathleen M. Darrah	Carter Creek	.8	5	3	1	5.28	400	233.81	1912
10119	3	Kathleen M. Darrah	Springs, Sec. 20, T. 51 N., R. 102 W.	1.5	3	1	1	10.56	150	12.90	1912
10120	3	S. P. Terrell	Lost Creek	1.5	4	3	1	8	500	132	1912
10121	3	S. P. Terrell	Deep Creek	1	3	2	1	8	200	38	1912

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
10122	3	J. S. Day	Bridger Creek	3	12	8	2	26	1500	1925	1913
10123	3	J. S. Day	Bridger Creek	.75	6	4	2	5.8	500	....	1913
10124	3	Frances Sutherland	Warner Gulch	.50	3.5	2.5	1	11	....	25	1913
10125	3	Carrie B. Meyer	Big Popo Agie River	2.78	....	....	....	....	18850	....	1913
10126	3	Mary E. Large, et al	South Fork Owl Creek	1.97	8.9	6	1.4	5.3	500	718.9	1912
10127	3	James McLaughlin	Springs, Sec. 4, T. 48 N., R. 106 W	.625	....	....	....	....	700	....	1913
10128	3	James McLaughlin	Springs, Sec. 4, T. 48 N., R. 106 W	.5	5	4	1	25	100	30	1911
10129	3	Albert P. Hosie	Muddy Creek	1.66	6	5	1	10.56	1125	....	1914
10130	3	Albert P. Hosie	Muddy Creek	1.62	5	4	1	20	150	108	1914
10131	2	Northern Wyoming Land Company	Clear Creek floodwaters	9.5	62	50	6	1.6	62000	20000	1914
10132	4	Lee Stevenson	Green River	1.125	3.5	1.5	1	2	200	109	1913
10133	4	Central Coal & Coke Company	Fourteen Mile Springs & Creeks	10	....	....	....	....	25000	....	1913
10134	4	Edward D. Morrison	Green River	.7	4	3	1	4	100	130	1912
10135	4	William A. Carter	Quarry Creek	.86	1.5	1	1	20	50	143.6	1912
10136	4	Bet Bull	Smith's Fork Creek	.73	3.5	2.5	1	7.92	50	320	1912
10137	4	Hyrum J. Vail	Grey's River	8	7	6	2	4	5000	432	1914
				2,299.30					$6,872,496.36	1,170,774.35	

Applications for Enlargement During the Two Years Ending November 30th, 1910

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
1944	1	W. S. Hamilton	Indian Creek	1	4	3	1	6	$ 400	105	1910
1945	1	W. S. Hamilton	La Bonte Creek	.152	4	3	1	6	100	20	1909
1946	1	Hunter, Casteel & Hunter	Big Creek	2.5	15	10	2.5	2.64	1000	1740	1912
1947	1	Hattie L. Hunter	Beaver Creek	.50	2	1	.5	13.2	30	16	1908
1948	2	Joseph E. Sayles	Springs	2.5	4	2	1	20	200	34.5	1909
1949	2	Henry Webb	Buffalo Creek	1.458	5	3	1.5	5	150	56.25	1909
1950	2	Amanda Webb	Buffalo Creek	1.174	5	3	1.5	5.28	175	132.7	1909
1951	2	N. J. Spencer	Bridge Creek	1.65	10	6	2	5	....	17	1909
1952	4	Mrs. Martha Irwin & Chas. T. Jenkins	Horse Creek	3.59	10	8	2	16	1000	640	1911
1953	4	Minnie A. Reaser	Beaver Creek	2.163	6	4	1.5	8	200	315	1910
1954	1	Routt Country Development Co.	Little Snake River	9.75	31	18	6.5	4	39637.05	52600	1910
1955	1	Wm. Dickinson	Pine Creek	.75	3	2	1	10	200	....	1909
1956	1	Geo. Powell	La Prele Creek	1.6	30	18	4	2.64	17000	94.5	1909
1957	1	H. D. McSwain	Snake River	12	10	7	1.5	5	8000	332	1911
1958	1	Jess C. Hubbs	Bear Creek	.589	3.5	3	.5	7.28	50	148.5	1909
1959	3	Martin Ranmael & Arne Olson	Lodge Pole Creek	2	5	2	2	7	300	150	1909
1960	3	John B. Walter	Wood River	.75	4	3	1	10	80	16	1909
1961	3	Jacob & Anna Greenwald	Grey Bull River	3.5	10	8.5	1.5	4.5	230	57	1909
1962	3	Alice Osborn	Trapper Creek	.75	5	3	2	4.22	300	55	1910
1963	4	Voorhees Pearson	Burnt Fork Creek	2.78	4	2.5	1.5	10	100	300.5	1910
1964	3	Dan Lee Morse	Shell Creek	..4	6.5	4.5	1	7.5	50	20	1909
1965	4	Emma Levine	Cottonwood Creek	2.5	3.	1	1	5	150	80	1909
1966	3	Harriet P. Dean & Chas. Rossi	Big Popo Agie River	13.375	10	6	2	10.56	300	224	1912
1967	3	John Bamford	Greybull River	3	12.1	8.5	1.8	4.5	400	60	1909
1968	3	Meredith B. Meredith	North Fork Big Popo Agie River	....	5	3	1	15.8	....	6.5	1909
1969	2	A. S. Ghent & J. H. Roush	Buffalo Creek	7.55	8	7	1.5	7	4000	746	1910
1970	3	Margaret S. Dyer	South Fork Shoshone R.	6	80.25	60.25	10	1	500	80	1911
1971	1	James Lake Irrigation Company	Little Laramie River	9	29.5	16	4.5	5.28	9000	....	1912
1972	1	James Lake Irrigation Company	Little Laramie River	4	39	16	6	5.28	4000	....	1912
1973	1	James A. Weisner	Sweetwater River	5.60	7	3	2	2.6	250	82	1910
1974	1	James F. Graham	Sweetwater River	7.33	9	5	2	2.6	....	160	1909

APPLICATIONS FOR ENLARGEMENT—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
1975	1	Fred Katzer & Jennie B. Katzer	Horse Creek	1	6	4	2	3	200	138	1910
1976	1	Andreas Pfeifer	North Platte River	8.6	21	12	3	2.64	175	160	1909
1976	1	Mary Werner	North Platte River	8.6	21	12	3	2.64	175	126	1909
1978	1	John W. Marsden	Wagon Hound Creek	.4	6.5	4.5	1	13	275	10	1909
1979	2	W. D. Lovell	Cross Creek	2	8	4	2	5.28	1000		1909
1980	1	Lincoln Land Company	Horse Creek	4.73	21	12	3	2.64	3000	500	1910
1981	3	Henry Seipt	Warm Springs Creek	.25	4	2	1	8	75	6	1910
1982	3	Badger Ditch Company	Clark Fork River	16	13	10	2.5	6	2000	1310	19[illegible]
1983	3	Nancy B. Appleby	Squaw Creek							5	1909
1984	3	James Walter Owens	East Fork Muddy Creek	2.87	5	4	1	8	60	38	1909
1985	3	The Red Butte Ditch Company	North Fork Popo Agie R.	7	8	5	1.5	6.34	5000	363.4	1912
1986	3	Wm. McComb & Bessie J. Grier	Bridger Creek	1.5	8.5	5.5	1.5	5	50	67	1910
1987	3	Percy H. Shallenberger	Bridger Creek	.90	5	4	1	8	300	25	1910
1988	4	Elizabeth Moslander	Willow Creek	2.5	8	5	1.5	5.28	1000	320	1912
1989	4	Alonzo Baker	Salt River	5.5	9	7	1.3	13	150	349	1909
1990	4	Samuel T. Stark	Silver Creek	.75	4	3	1.5	80		130	1910
1991	4	Zenas F. & David H. Scott	Green River	1.5	8	6	2	4		70	1909
1992	4	Miss Pearl Gregory	Lava Creek	1.25	4	3	1	8	100	149	1910
1993	1	John Tobin	Bates Creek	2.93	8.5	4	1.5	5.28	2500		1911
1994	1	Mata C. Blankenship	South Side Dry Laramie Creek	.75	5	3	1.5	5	25	6	1909
1995	1	Nora Buckley	Spring Creek	1.33	7	5	1	7	400	46.5	1909
1996	1	Ed. Roediger	North Platte River	.75	4	3	1	5.28	600	17	1911
1997	2	Lee Hill	Dry Creek							103.5	1909
1998	2	Henry Cooksey	Alkali Creek	.42	6	4	1	2.5	125	17	1909
1999	2	Henry Cooksey	Alkali Creek	.2	5	8	1	2.5	50	18	1909
2000	2	City of Sheridan	Big Goose Creek					5.28	250000		1909
2001	4	Camille L. Seelemire	Gros Ventre River	4.75	13	12	1	10.06	1000	175	1911
2002	4	Magdalena Quadros	Smith's Fork Creek	2.75	7	5	1.3	30	1000	243	1911
2003	3	Emery Allison	Chrystal Creek	.8	5	4	1	5.28	50	72	1910
2004	3	P. W. Metz	Greybull River	1.3	12.5	8.5	2	5.28	100	135	1911
2005	3	O. J. Robertson & P. W. Metz	Grey Bull River	7	12.5	8.5	2	5.28	100	81	1911
2006	3	Hiram Stewart	Owl Creek	3.125	8	6	1	5	250	130.75	1911
2007	3	R. S. Young	Crow Creek	2	4	3	1	7	400	30	1911

APPLICATIONS FOR ENLARGEMENT—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
2008	3	C. J. Knifong, E. L. Knifong & O. L. Knifong	Crow Creek	1.75	5	4	1	8	300	275	1910
2009	3	E. A. Robinson	Owl Creek	2	7	6	1	5	200	128	1911
2010	1	H. C. Murray & Lucetta Coen	Sage Creek	4.5	6	4	1.5	5	1500	248	1912
2011	3	C. E. Blonde	North Fork Owl Creek	3.60	4	2	1	15.9	100	63	1909
2012	1	Matthis Weber & Mrs. Ella Pancost	Snake River	11	16.5	12.5	2.5	4	1600	180	1910
2013	1	C. F. McFarland	Spring	.75	7	4	1.5	5.28	....	87.7	1912
2014	2	Geo. A. Foss & Henry Verley	Young's Creek	2	6	4	1	5	475	47	1909
2015	2	W. E. Wagner	Tongue River	2.5	7	4	1.5	5.28	600	842	1910
2016	2	W. E. Wagner	Tongue River	.75	4	2	1	2	40	15	1910
2017	2	Willard West	Muddy Creek	2.25	6	4	1	5.28	400	78	1909
2018	3	Mrs. Neggie E. Hale	Owl Creek	1.75	6	4	1	5.28	1000	84	1911
2019	4	Rocky Mountain Coal & Iron Company and John Sims	Bear River	2	5	4	1	4.7	400	104	1912
2020	3	Eldoras Chance	Owl Creek	.75	5	4	1	4	50	36	1910
2021	3	Percy H. Shallenberger	Bridger Creek	1.45	5	4	1	8	200	139.53	1911
2022	1	Bert Bergerson	North Fork South Crow Creek	2.62	4	2	1	30	500	54	1910
2023	1	J. Bevan Phillips	La Bonte Creek	2.5	6	4	1.25	2.5	400	567	1910
2024	4	George F. Whitman	La Barge Creek	2.5	8	6	2	12	300	103	1909
2025	4	George F. Whitman	La Barge Creek	1.75	9	8.5	1.25	6	300	138	1909
2026	4	Enoch Turner, Jr.	Bear River	.50	4	3	1	7.92	100	31	1910
2027	3	Geo. S. Crosby	Shoshone River	1	5	3	1.5	5.28	200	140	1909
2028	4	James Lee	Smith s Fork Creek	2.30	4	2	2	7.92	50	157.5	1910
2029	3	Lorenzo French	Upper Canon Creek	1.5	4	4	1	8	300	2	1910
2030	1	Fred Peters	South Cedar Creek	1.75	8	6	1.16	5.28	1000	145	1911
2031	3	Walter Smith	Shell Creek	2	8	4	2	5.28	500	98	1911
2032	3	Daniel B. Babbitt	Big Horn River	5.47	7	4	2	4.112	125	22	1910
2033	3	W. F. McGee, et al	Grey Bull River	6	13	11	2	5.28	900	320	1912
2034	2	Frank A. & George F. Yarwood	Rock Creek	5	8	6	2	11	1000	444	1910
2035	1	W. L. Kuykendall	North Platte River	1	10	6	1.5	3	....	124	1910
2036	1	Mrs. Belle S. Homer	Five Mile Creek	1.8	10	10	.515	....	100	126	1910
2037	1	A. Burg	Big Laramie River	5.75	5	4	1.5	3	500	160	1910
2038	4	Nellie J. Hoff	Pine Creek	4.56	10	7	2.5	6.67	....	122	1911

APPLICATIONS FOR ENLARGEMENT—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
2039	1	Jean Howard, Fred Manning & Ben Rouse	Bow Creek & Dogie Creek	.375	8	2.5	1	11.56	85	44	1909
2040	3	Henry Koppi	Spring	2	4	3	1	13.5	800	100	1911
2041	3	Allie Watkins	Kirby Creek	.68	9.4	6	1.7	5.3	500	132	1911
2042	3	Louise I. Cross, Jefferson Moore, Wm. & John Henderliter	Owl Creek	2.69	7	4	1.5	5.3	750	601.5	1912
2043	3	John A. Mayer	Nowood River	1.25	5	4	1	5.17	2000	127	1911
2044	3	Fred Frisby	Big Horn River	.4	3.5	2	.75	5.28	100	159.5	1911
2045	3	Benj. B. Sprowls, et al.	Owl Creek	8.5	20	16	2	5.3	2500	746	1911
2046	3	Mary C. Driscoll	Nowood River	2	7	6	1	5	500	24.5	1911
2047	3	Grant Nipper	Big Wind River	.66	4.5	2.5	1	6.66	50	18	1909
2048	1	Milt Hammond	Wagon Hound Creek	....	7	5	1	5.28	375	17	1909
2049	1	Wm. L. & Mrs. Bertie Miskimins	Horse Creek	4.5	13	9	2	4	300	66	1911
2050	4	Betty Hickey & Moses Nathan	Henry's Fork Creek	.75	3	2	1	15	25	280	1910
2051	4	Union Pacific Railroad Company	Bear River	3.59	....	....	....	....	48000	4.5	1909
2052	3	Della Brooks, Mrs. Minnie Trout	South Fork Owl Creek	2.52	6	2	2	5.3	300	196	1911
2053	1	I. M. Conness	Beaver Creek	2	8.5	5.5	2	3	2000	181	1912
2054	1	W. H. Butler	Brush Creek	2	5	3	1	4	300	130	1910
2055	2	Upper Goose Creek Irrigation Co.	Little Goose Creek	3	8	5	1.5	4	....	603	1909
2056	3	Farmers Protective Association	Shoshone River	3.5	8	6	1.5	4.18	7000	412	1910
2057	1	Hattie L. Hunter	Beaver Creek	.50	3	2.	.5	2.64	100	20	1909
2058	3	Walter Dockery	Owl Creek	3.42	5	3	1	15.9	300	155	1911
2059	3	James H. Stokes	Owl Creek	3.38	4	2	1	15.9	450	111	1911
2060	3	Eric & Knute Carlson, Albert N. Sandberg, Robert & Agnes Baird & William C. Morton	Gooseberry Creek	4.75	8	6.5	1.5	7	800	660	1911
2061	1	M. H. Hartung, J. W. & Fred R. Richards, Sidney & Albert B. Bartlett	Little Medicine Bow River	28	23	7	4	2	10000	12467.25	1912
2062	1	M. H. Hartung, J. W. & Fred R. Richards, Sidney & Albert B. Bartlett	Sand Creek	2	8	4	2	2	1500	12467.25	1912
2063	4	George H. Blackner	Black's Fork Creek	7	15	12	3	....	40	38	1909
2064	4	Bert Taylor, et al.	Black's Fork River	6.76	8	6	2.5	8	....	1400.5	1911
2065	4	Parley Bennion & Frank A. Mau	Smith's Fork	10	4	3.5	1.5	5	2000	164	1911

APPLICATIONS FOR ENLARGEMENT—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom. Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
2066	4	Frank A. Mau & Parley Bennion	Pine Creek	10	11	8	1.5	5			1909
2067	1	Nan S. Brownrigg	Patten Creek	.75	3	2	1	5.2	50	13.5	1912
2068	1	Louis Gunst	Beaver Creek	5	6	4	1		200	156.37	1910
2069	1	Mrs. Matilda Carothers	Wagon Hound Creek	1	4.5	3.5	1	10	150	14	1910
2070	1	John E. Higgins	Dry Creek	3	8	6	1.5	4		5	1909
2071	1	Mary B. Richards	Spring Creek	4	5	8	1.5	12	350	156	1910
2072	1	Jesse Johnson	Middle Cottonwood Creek	1.25	4	8	1	10		65	1909
2073	3	Lizzie C. Gould, et al.	Greybull River	.840	8	6	1	5.28		958	1912
2074	3	W. R. Clifton	Crow Creek	1.4	5	8	1	8	150	108	1910
2075	2	River Side Coal Company, et al.	Tongue River	4.5	12	8	2	6	300	346	1910
2076	3	Rosalie Cope	Prairie Dog Draw	.50	4	2	1	5	100	70	1911
2077	2	John R. Brown & Hamilton Wilcox	Sandy Creek	.50	5	8	1	10.56	500	78	1910
2078	2	Sarah Anderson	Floodwaters from Draws.	1.25	5	8	1	10.56	300	60	1910
2079	1	William Rice	Spring Creek	1.375	5	5	1.5	4	200	84.6	1910
2080	1	L. C. Bishop	Alkali Gulch	2.625	8	6	1	5.28	150	44	1910
2081	2	W. C. Welsh	Red Fork Powder River	.75	5	3	1	5.28	150	130	1910
2082	3	W. J. Miller	Ten Sleep	1.50	4	3	1	6	300	16.5	1910
2083	3	H. B. Martin, C. H. McCumber and Emery A. McCumber	Owl Creek	3.25	8	4.5	1	4	650	52.4	1910
2084	3	Wyoming Land & Irrigation Co.	Shell Creek	35	30	14	4	2.64	160000	12969.15	1912
2085	3	Lovell Irrigation Company	Shoshone River	40	42	32	3.5	2.64	10000	2390.44	1911
2086	4	Heman Hyde, Sr.	Stump Creek	1	6	4	1	20	100	160	1909
2087	4	August J. Romey	Gros Ventre River	4	4	3	1	6.66	650	135	1912
2088	4	Albert Rickenbach	Willow Creek	3.5	5	3.5	.66	12	100	95	1911
2089	4	James Mickleson	Fish Creek	2.62	7	5	1	10.56		182	1911
2090	4	Ralph P. Spencer	Spread Creek	4	16	13	2	12	900	602	1912
2091	4	William Luckey	Beaver Creek	3.12	3	2	1	10	60	80	1911
2092	4	Arthur Roberts	Birch Creek	2	6	5	1	100	50	160	1910
2093	1	Vernon Clayton	Hunton Creek	3.75	9	6	1.5	5.28	600	220	1911
2094	2	Sheridan Land & Irrigation Co.	Little Goose Creek	15.9	18	12	3	5.28	7000	866	1911
2095	3	Abraham Fosher	Baldwin Creek	1.5	4	2	1	6.6	60	32	1910
2096	1	R. W. Wood	North Fork Brush Creek	10	15	10	2.5	3.17	800	146	1910
2097	3	Ralph Adams	South Fork Owl Creek	2.10	8	5	1.25	10	175	110.5	1910
2098	3	Rufus Wilson	Grey Bull River	4	7	6	1.25	8	600	80	1910

APPLICATIONS FOR ENLARGEMENT—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
2099	3	Olive Benbrooks, H. A. Woodruff, et al	Meeteetse Creek	5.5	6	4	2	10.56	2000	1000	1912
2100	3	Grent Brown & Mattie Goltry	Chrystal Creek	9	18	14	3.5	4	1000	283	1911
2101	3	D. L. Jones	South Fork Owl Creek	2.40	7	4	1.5	10.6	200	160	1911
2102	3	Geo. Settle	Boxelder Creek	....	4.5	3.5	1	5	300	5.5	1910
2103	3	Edgar L. Gwynn	Grass Creek	2.125	10	5	1.5	6	300	108.1	1912
2104	3	Pietro Bianchi	Grey Bull River	11	14	13	2.5	....	800	193	1910
2105	3	Wm. W. Cole, et al	Grey Bull River	7.5	14	12	2	4.5	2500	1466	1911
2106	4	John Fee, Jr	Spread Creek	1.5	5	4	1	6.66	300	80	1912
2107	4	Alfred J. Bateman	North Fork Stewart Creek	.50	5	3.5	1	60	50	66	1910
2108	4	Alfred J. Bateman	North Fork Stewart Creek	1.25	5	4	1	20	50	56	1910
2109	4	Henry Wolfley	Stewart Creek	1.50	4	3	1	12	50	160	1911
2110	4	Katherine Reeves	Stradlem Creek	.75	4	2.5	1	20	50	122	1910
2111	1	North Platte Valley Irrigation Co	North Platte River	14.8	20	15	2.5	5	90000	11884.93	1913
2112	4	Alice A. Pape	Green River	1.75	7	4	2	5.28	....	187	1911
2113	1	Lake Hattie Reservoir & Irrigation Company	Floodwaters of Laramie River	5.2	63.5	40	7.8	1	70100	....	1910
2114	2	Vada Thompson Allison	Sheep Creek	.25	3	2	.6	5	50	60	1910
2115	1	Starling P. Asbell	Sage Hen Creek	.50	5	3	1	10	75	9	1911
2116	1	Routt County Development Co	Little Snake River	8.75	45	35	5	1.056	39637.05	52600	1911
2117	3	John A. Thompson	Owl Creek	7.5	12	10	2.5	5	3500	871	1911
2118	3	William P. Rice & The Antler Land and Cattle Company	Wood River	1.80	4	2.5	1.5	5	300	83	1910
2119	3	Oley Olson, et al	Grey Bull River	6	3	2	1.5	5.28	200	290	1912
2120	1	Albert Higginson	Medicine Bow River	1.25	5	3	1	5.28	1000	226	1911
2121	1	P. L., A. E., & Grace A. Campbell	North Platte River	....	12	8	2	1.5	2000	148	1910
2122	1	R. S. Weaklen & Mrs. Nettie Reveal	North Elkhorn Creek	1.875	5.5	3.5	1	5.28	350	135	1911
2123	3	F. J. Forbes	Big Popo Agie River	3.5	5	3	1	10	800	143	1911
2124	3	J. J. Bevelhymer	Floodwater from Paint Creek	1.5	5	4	1	5.28	175	25	1911
2125	3	H. P. Rothwell	Owl Creek	3.4	7	4	1.5	4	150	332	1912
2126	3	Stella Hopkins	Canon Creek	2.5	6.5	5	1.5	5.2	20	26	1910
2127	3	Wm. H. Enderly	Big Horn River	9	14	10	1.5	1.75	....	6	1910
2128	3	David Schoening	Badwater Creek	1.16	7.5	4	2	6.66	100	70.5	1910

APPLICATIONS FOR ENLARGEMENT—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
2129	3	Bertha M. Schoening	Badwater Creek	3.86	5	8	1	10.56	300	224	1910
2130	3	Wyoming Land & Irrigation Co.	Paint Rock Creek	50	36	16	5	2	300000	30049.72	1913
2131	2	Frank L. & Daniel Fisher	Wallace Creek	2.78	5.5	3.5	1	7.92	....	27	1910
2132	3	Martha A. Bryant	Sayles Creek	2.25	3.5	2.4	1	12	250	18	1910
2133	1	Mrs. Minnie B. Cranor	East Cottonwood Creek	1.25	6	4	1	4.224	300	18	1912
2134	4	Anna Nelson	Grade Canon Creek	.25	4	2	1	25	100	....	1911
2135	4	Anna Thompson	Little Sandy River	1.7	5	4	1.3	3	500	217	1911
2136	4	Charles J. Bayer	Pine Creek	2.56	6	5	2	75	300	74	1911
2137	4	Ben F. Goe	Little Gros Ventre River	2	4	3	1	15	100	40	1911
2138	1	A. D. Johnston, Trustee	Crow Creek	13	18.5	10	3	3.2	1000	2105	1911
2139	3	T. A. Dougherty	Dry Muddy Creek	3.50	5	4	1	8	300	160	1911
2140	4	Christopher & Rose Juel	Little Sandy Creek	13	10	6	2	4	4000	640	1912
2141	1	Rock Creek Irrigation Company	Rock Creek	4	34	24	5	3	50688	....	1913
2142	1	Rock Creek Irrigation Company	Rock Creek	1.1	34	24	5	2.64	7503.60	....	1913
2143	1	A. H. Duthie & Barker Brothers	South Casper Creek	2.85	14	12	1.5	5.28	500	482	1912
2144	1	Alma M. Heather	Heather Creek	1	14	10	2	....	500	320	1911
2145	1	Charles L. Peterson	Fox Creek	1.55	6	5	1.3	5.28	500	270	1911
2146	4	Miranda & Roy McBride	Little Gros Ventre River	2	8	6	1	10.56	80	83	1911
2147	4	Edmond S. Clark	Crooked Canyon Creek	1.25	2	1	.67	500	25	17	1910
2148	3	Lincoln Land Company	Grey Bull River	4	10	8.5	2	8	1200	316	1911
2149	1	J. C. Engelking	North Platte River	.5	10	6	1.5	1.5	200	10	1910
2150	1	F. E. Warren	Crow Creek	1.5	12	9	2	3.7	1000	357.7	1910
2151	2	J. A. Jones	Clear Creek	1.5	6	4	1	5.28	350	76	1910
2152	3	W. L. Morris	Grey Bull River	.83	4.5	3	1.25	5.5	100	100	1912
2153	3	J. J. Bevelhymer	Paint Creek	1.5	8	5	1.5	5.28	200	....	1911
2154	3	J. J. Bevelhymer	Paint Creek	1.5	4	3	1	....	50	....	1911
2155	3	J. J. Bevelhymer	Paint Creek	1.5	5	4	1	5.28	200	100	1911
2156	3	May B. Webster	Grey Bull River	4.25	8	6	2	7	200	21.1	1910
2157	3	Oley Peterson, et al	Grey Bull River	4.75	6	4	2	5.28	700	560	1912
2158	3	Roy M. Webster	Wood River	2.25	5	4	1.25	8	....	28	1912
2159	3	J. D. Carmichael, Frank Herbst & C. W. Butterfield	Big Horn River	8.33	9	6.5	2	2.64	4800	487.31	1913
2160	3	Noble & Carmody	Little Popo Agie River	2	5	3	1	8.45	600	26	1911
2161	3	Otis G. Grout	Grey Bull River	2.75	7	5	1	6	300	75	1912
2162	3	L. E. Thompson	Big Wind River	....	8	6	2	6.4	25	13	1911

APPLICATIONS FOR ENLARGEMENT—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
2163	1	Carbon Co. Land & Irrigation Co.	Muddy Creek	.55	46	40	3	5.28	5000	....	1911
2164	2	Fred Robison	Cheyenne River	.75	5	3	1	3	100	16	1910
2165	1	Henry Mudd	Sybille Creek	2.75	2	1	1	8	100	41.9	1911
2166	1	C. W. Burdick	North Platte River	5.5	6	4	1.5	3	1000	197	1912
2167	1	C. W. Burdick	Jack Creek	2	6	4	1.5	8	....	197	1912
2168	2	J. G. Oliver	Spring Draw	1.75	4	3	.8	10	350	21.5	1910
2169	2	E. W. Scott	Pompey Creek	.75	3.5	1.5	1	10.56	50	40	1911
2170	2	R. H. Blair & Mabel Blair	Mule Creek	.95	8	4	2	2.5	500	110	1911
2171	3	Walter L. Stephenson	Canyon Creek	1.25	4.5	3.5	.5	10.56	100	15	1910
2172	4	Frederick Neuenschwander, Jr.	Strawberry Creek	2	6	5	1	70	50	40	1910
2173	4	Samuel D. Allen	East Fork River	2	3	1	1	10	500	192	1911
2174	4	C. J. Berg	Spring Creek	4.58	4.5	2	1.25	7.92	75	42	1911
2175	4	Frank Malone & Elizabeth Lynch	Smith's Fork Creek	1.75	7	5	1	25	200	119	1911
2176	4	Joseph Chase	South Cottonwood Creek.	1.375	7	5	1	6	50	10	1910
2177	1	W. O. Brooks, W. E. Brooks, S. A. Bishop and A. B. Daniels	La Prele Creek	7.5	12	8	2	3.168	550	448.5	1912
2178	1	Winifred Banner	North Laramie River	3.4	6	4	1	7.8	250	37.1	1911
2179	1	Mary Coleman	Cottonwood Creek	1.3	6	4	1	7.8	225	120	1912
2180	1	Martha Dolling	Muddy Creek	.939	3	2	1	8—20	150	160	1911
2181	1	L. H. Alger	Crooks Creek	....	....	......	....	....	....	10	1910
2182	2	Frank H. Koch	Donkey Creek	.50	12	10	1	5	100	83	1911
2183	2	Bryant & Oliver	South Fork Sayles Creek.	.75	3	2	1	10.58	200	42	1911
2184	2	Samuel L. Spencer	Bridge Creek	2.15	10	6	2	5	1000	233	1912
2185	3	G. W. Wortham, Wm. Groshart & C. E. Bain	Gooseberry Creek	3.75	12	6	2	2.11	500	553.5	1913
2186	3	R. E. Armstrong	Gooseberry Creek	3.5	5	3	1	15.9	300	173	1912
2187	3	Henry P. Rothwell, Jr., et al.	Owl Creek	3.5	11	6	1.5	5.28	2000	813.81	1911
2188	1	Henry & Hermine Schnoor	Bates Creek	6.11	6	5	1	10.56	950	527.44	1912
2189	1	Julius Lopetz & J. R. Rollman	Big Beaver Creek	2	4	2	1	5	100	200	1911
2190	1	Wm. D. E. Johnson	East Cottonwood Creek.	.758	3	1.5	.5	13.2	100	81	1911
2191	1	Silvia M. Wood & James M. Sowder.	North Brush Creek	12	8	6	1	5.28	1000	293	1912
2192	1	Howard M. Geary	North Platte River	2	6	4	1	2.8	500	306	1912
2193	1	Victor H. Miller	North Chugwater Creek	1.5	3.5	2.5	1	10	300	26.6	1912
2194	1	M. W. Shafe	Grand Encampment River.	3	11	9	1.5	1.5	500	30.40	1912
2195	1	Margaret & Augusta Adams	South Casper Creek	1.25	5	4	1	5.28	200	172	1913

APPLICATIONS FOR ENLARGEMENT—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
2196	3	Wind River Live Stock Co..........	Bear Creek	1	7	5	1.5	6	250	191	1912
2197	3	Levi Snyder	Grey Bull River...........	4	10	8	2	7	400	130	1911
2198	3	Wm. H. Perry..........................	Big Horn River............	9	14	10	1.5	1.75	....	15.2	1910
2199	3	J. C. & T. W. Berry.................	Cottonwood Creek	2.56	7	4	1.5	5.3	300	582	1912
2200	3	Elmer P. Wood & John H. Hale...	Owl Creek	....	7	4	1.5	6	150	316	1913
2201	3	Pueblo Williams	Gooseberry Creek	1.7	4	2	1	2.64	175	168	1912
2202	3	Asil T. & Ray Wilson................	North Fork Popo Agie R..	4.54	6	4.5	1	10	25	129.9	1910
2203	3	W. S. Utterback.......................	Owl Creek	3.38	8	6	1	8	....	24	1912
2204	3	H. A. & W. Moberly...................	Beaver Creek	.75	6	4	1	11	50	20	1912
2205	4	Orson Morris, Sr......................	Bear River	.50	5	3	.5	8	75	20	1911
2206	4	A. L. Edmunson........................	Duck Creek	1.5	10	8	1	8	....	23	1911
2207	4	James, T. A., & Ernest Megeath......	Smiths Fork Creek........	3.62	5	3	2	7.92	100	480	1911
2208	3	Wyoming Central Irrigation Co.....	Big Wind River............	40	....	....	....	....	....	1066.45	1911
2209	1	C. K. Bucknum........................	Middle Casper Creek......	4.25	8	6	1	5.25	300	446	1911
2210	4	Naoma S. Wilson......................	Spring Creek	.75	3	2	1	6.67	90	15	1911
2211	4	Ellen Burke	Pine Creek	2.514	7	6	1.5	15.84	500	153.24	1912
2212	4	Carl Cook	Birch Creek	2	3.5	2.5	1	80	20	....	......
2213	3	F. L. Sumpter, et al..................	Grey Bull River...........	9	26	16	5	4	....	640	1912
2214	3	Walter D. Brown, et al...............	Clarks Fork River.........	5.5	8	4	2.5	3.5	500	318	1911
2215	3	A. C. Royer...........................	Crow Creek	3	4	3	1	7	50	33	1911
2216	1	Willis E. Brownlee...................	Cotton Creek	1	4	2	.5	5	100	112	1911
2217	3	John Skinner, et al...................	Owl Creek	4.04	9	6	1.5	8	400	542.6	1912
2218	1	French Cr. Irrigation Dev. Co........	French Creek & Mullen Cr.	42	28	20	4	2.64	40000	6876.17	1912
2219	2	H. B. Stoops..........................	Stoops Draw, Sec. 15, T. 57, R. 86................	1.25	5	3	1	10.56	200	30	1912
2220	4	H. F. Aldridge & Edwin Aldridge....	Birch Creek	1.73	5	3.5	1.4	5.28	200	306	1912
2221	1	Rudolf Clausen	Pass Creek	6	16	10	2	2.64	5000	1080	1912
2222	1	M. W. Garrotte........................	Soldier Creek	2	4	2	1	20	250	144	1912
2223	1	Mary Wilkinson	Sybille River	1.50	4	2.5	3	10	50	342	1911
2224	1	W. S. Miller..........................	Dry Creek	.157	5	3	1	10	25	3.6	1912
2225	1	E. J. Bell............................	Little Laramie River......	6.16	8	6	2	5.28	2000	1095	1912
2226	3	Antlers Land & Cattle Co............	Wood River	4.5	9	7	2.5	8	350	94	1911
2227	3	Big Horn Sheep Company............	Badwater Creek	4.4	12	10	2	4	4000	1028	1912
2228	3	Larry Hollywood & Irene M. Anderson	Owl Creek	2.08	6	4	1	5.3	100	234.4	1912

APPLICATIONS FOR ENLARGEMENT—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
2229	4	Romey Hanes	S. Fk. Horse Creek	3.5	8	6	1.5	16	10	79.42	1911
2230	4	Thomas Thomas	Ham's Fork Creek	2.5	5	4	1	5.28	500	153	1913
2231	1	McDonald & Arnold	Muddy Creek	2.75	13	10	1.5	2.64	500	26	1912
2232	1	Henry M. Springer	Horse Creek	1.5	16	8	4	2	1000	320	1911
2233	1	Henry M. Springer	Horse Creek	4.5	16	8	4	2	2000	320	1911
2234	4	Albert Eddins	Salt River	1	5	3	1	16	50	73	1911
2235	1	Isaac Flood	North Fork Brush Creek	14.5	9	6	2	5.28	1500	305	1913
2236	1	John Moran	South Elk Horn Creek	1.1	3.5	1.5	1	5.28	150	13	1911
2237	3	H. S. Hoffman, et al.	Shoshone River	1	7	4	1.5	5	300	287.88	1912
2238	3	John W. Anson	Gooseberry Creek	1.25	11	5	2	5.28	500	158	1912
2239	3	W. R. Hardy	North Fork Owl Creek	6.6	5	3	1	5.3	550	65	1913
2240	3	Wm. Duncan	South Fork Owl Creek	2.05	6	4	1	10.6	700	40	1913
2241	4	Mary McKeon	Hawkins Creek	1.5	5	3	1	8	200	58	1911
2242	1	Nick Schmidt	North Platte River	8.6	18	12	3	2.64	100	21	1911
2243	1	Frances E. Kennaday	Cedar Creek	3.5	8	6	3	5.28	500	96	1910
2244	1	Samuel Johnson	Pete's Creek	1	3	2	1	100	100	115	1913
2245	1	Fred Hildebrand, et al.	North Platte River	8.6	21	12	3	2.64	175	260	1911
2246	2	C. P. Coleman	Soldier Creek	1.5	3.5	2.5	1	30	100	....	1911
2247	2	Herbert B. Andrus	Allison Gulch, Sec. 5, T. 41, R. 80	4.875	10	7	2.5	5.28	1900	459	1913
2248	1	C. A. Guernsey	Laramie River	5.25	12	6	2	2.64	2450	710.89	1914
2249	1	Wm. D. E. Johnson	East Cottonwood Creek	1.25	3	2	.50	26.4	150	100	1912
2250	1	William T. Ryan	North Brush Creek	3.5	8	5	1.83	5.28	3200	320	1914
2251	1	Alonzo Heaton	North Laramie River	1.5	4	3	1	5.28	300	70	1911
2252	1	Alonzo Heaton	North Laramie River	.75	4	3	1	3.20	200	85	1911
2253	1	John T. Grieves	Willow Creek	.375	4	3	2	15	100	56	1913
2254	1	John T. Grieves	Willow Creek	.50	3	2	1	15	100	18	1913
2255	2	R. R. Selway	Sackett Creek	1	6	4	1	7.28	100	60	1911
2256	3	Francis J. Simms	Grey Bull River	1.25	5	2	1	8.45	100	113	1911
2257	3	Grant Yarnell	Grey Bull River	.50	5	2	1.5	8.45	50	140	1911
2258	3	Wm. Grant, et al.	Gooseberry Creek	2.5	9	4	2	7.92	400	259	1913
2259	3	Wm. Hancock	Beason Creek	1	4	2	1	10	200	19	1913
2260	2	J. C. Spencer	Stockade Beaver Creek	4.75	9	6	1.5	10	1500	1843	1912
2261	2	J. C. Spencer	Stockade Beaver Creek	2.25	6.5	4.5	1	5	350	322	1912
2262	2	Abbie Spencer	Stockade Beaver Creek	1.364	6	4	1	4	600	248	1912

APPLICATIONS FOR ENLARGEMENT—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
2263	2	C. P. Meeks	Lodgepole Creek	.45	6	4	1	4	250	16	1911
2264	3	Wm. H. Gibbs	Owl Creek	6.75	20	16	2	5.28	200	20.3	1911
2265	4	Rasmussen Sheep Company	Unnamed Creek	1.50	3	2	1	5	200	405	1913
2266	4	John Heaton, et al.	Cottonwood Creek	1.50	3.5	2.5	.75	10	200	574	1913
2267	4	John Heaton, et al.	Spring Creek	.75	3.5	2.5	.75	10	150	....	1913
2268	4	James H. May	Gros Ventre River	4.25	15	13	1.5	5.28	375	157	1913
2269	4	Margurete Gallagher Fisk	Gros Ventre River	1.5	3	2	1	35	175	120	1911
2270	4	Ralph C. Bugher	Spring Creek	2.125	5	4	1	5	100	27	1910
2271	4	John F. Wilhelm	Horse Creek	1	4	2	1.5	10	1000	305	1913
2272	4	J. Gilbert Hayden	Cottonwood Creek	2.75	8	6	1	10	50	32	1911
2273	4	James Perry	Smith's Fork Creek	4.49	7	5	2	7.92	75	140	1912
2274	1	Mrs. Emma Ver Plancke	Beaver Creek	3	4	2	1	5	300	268	1911
2275	1	Adelaide Hudson	Long's Creek	1.67	4	3	1	7.92	700	151	1913
2276	2	Edward M. Steele	Schauble Draw	.50	5	3	1	5.28	25	20	1911
2277	3	Charles N. & J. F. Niccolls	Gooseberry Creek	2	7	4	1.5	7.92	75	144.6	1911
2278	3	George Y. Hays	Six Mile Creek	1	7	5	1	8	150	290	1913
2279	3	Obedias Ready	Owl Creek	4.92	12.8	8	1.6	5.3	....	92	1913
2280	1	Rock Creek Conservation Company	Rock Creek	30	24	16	4	2.64	50000	13074.48	1914
2281	3	Wm. Armagost, et al.	Little Popo Agie River	.75	4	2.5	1	4	250	46.9	1911
2282	3	Wilford Short	North Fork Owl Creek	1.5	4	2	1	5	100	40	1912
2283	3	Big Horn Sheep Company	Badwater Creek	6.28	12	8	2	4.75	7000	1277	1913
2284	1	Glenrock Sheep Company	North Platte River	3	11	8	1.5	1.056	3000	717	1913
2285	1	Mary A. Taylor	Dry Creek	.430	5	3	1	7.92	50	7.5	1911
2286	1	Levi C. Bell & D. J. McDonald	Casper Creek	1.67	4	3	1	10.56	150	....	1913
2287	2	W. T. Blair	Mule Creek	.50	5	3	1	15	100	80	1911
2288	2	Jacob H. Achenbach & R. D. McLean	Sheep Creek	5.5	5.5	3.5	1.5	10.56	1000	300	1913
2289	2	Nancy E. Stoops	Fools Creek, Springs & Columbus Creek	.50	......	......	......	......	50	8	1911
2290	2	Nancy E. Stoops	Columbus Creek	.50	......	......	......	......	50	8	1911
2291	3	Oliver W. Leedy	Big Popo Agie River	5.9	6	4	1.5	10.56	100	13.15	1912
2292	3	D. C. Nowlen, et al.	Big Wind River	4.5	11	8	1	4	576	270.04	1911
2293	3	Wm. Madden, et al.	Owl Creek	....	6	4.5	2	.67	325	183.70	1913
2294	3	Andy Klein	Paint Creek	2	4	3	.5	10.56	200	75	1911
2295	3	John G. Love	Muskrat Creek	2.5	5	4	1	5.28	425	227	1914

PERMITS TO APPROPRIATE WATER—Continued.

Permit No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Length, Miles	Width on Top, Feet	Width on Bottom, Feet	Depth, Feet	Grade, Feet per Mile	Estimated Cost	Number of Acres	Date of Completion
2296	2	Northern Wyoming Land Co.........	Floodwaters Sand Creek.	2.86	....	50	6	1.58	20000	25000	1914
2297	3	C. W. Axtell.........................	Kirby Creek	.75	7	5	2	4.8	175	165	1912
2298	3	R. G. Miller..........................	Floodwaters Trout Creek.	1	4	3	1	5.28	150	32	1911
2299	3	James W. McLaughlin................	Deep Creek	2	4.5	3.5	1	10.5	300	70.78	1911
				1,302.78					$1,410,121.70	300,747.55	

Reservoir Permits Issued During the Two Years Ending November 30th, 1910

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
380	2	Lewis Pike and Andrew B. Thomas.	Dry Gulch, Sec. 7, T. 38 N., R. 84 W.	7, 8, 16, 17, 18	38	84	54	$5600	1911
1381	2	Etta M. Gose	Little Soda Creek	21	47	65	48	1500	1911
1382	2	William Oliver	Horse Creek	31	55	71	15.2	500	1909
1383	2	Fred Crae	Lone Tree Draw	35	44	64	36	250	1910
1384	2	M. F. Praetor	Cliff Lake	19, 20	50	102	45	500	1910
1385	2	Andrew Ditto	....	35	50	71	112	500	1910
1386	2	Thomas Nefsy	Nefsy Draw	31	50	66	72	1000	1909
1387	2	John Daly	Rawhide Creek	31	51	73	9	150	1909
1388	2	Herbert B. Andrus	Pine Grove Gulch	25, 36	42	81	144.5	1700	1909
1389	2	F. I. Clark	Fan Gulch	33	38	62	15.035	750	1909
1390	2	F. I. Clark	Dry Run	3	37	62	2.392	75	1909
1391	2	Thomas P. Wilson	No stream	15	48	65	10.5	300	1911
1392	1	Adella M. Babbitt	Bear Creek	6	19	61	50	1000	1911
1393	1	Jonas M. Nylander	Spring Creek	34	26	70	3.56	800	1909
1394	1	Jonas M. Nylander	Unnamed Dry Draw	34	26	70	3.49	400	1909
1395	2	Wilbur P. Keays	North Prong North Fork Crazy Woman Creek	23, 26	49	84	3922	60500	1912
1396	2	W. P. Keays	Seven Brothers Lakes	9, 10	50	85	7772.7	100000	1912
1397	2	Donald Thomson	No. 2 Draw	30	57	78	25.5	350	1909
1398	1	Geo. M. Winkleman, Mayor of Encampment	Beaver Lake Brook	23, 24	14	85	302.46	5600	1913
1399	1	Jess C. Hubbs	Bear Creek	32, 33 4, 5	20 19	61 61	17.5	100	1909
1400	4	Katherine Reeves	Stradlem Creek	8	32	119	1.25	150	1910
1401	3	John Laurie	Beaver Creek	30	55	91	10.40	250	1911
1402	3	C. L. Erickson	Springs	35	44	101	8.4	350	1912
1403	3	Hannah Biddle	Canon Creek	16, 21	35	90	150	1000	1912
1404	3	Ira McConaughy	Owl Creek	31 6	9 N. 8 N.	3 E. 3 E.	3575	55000	1912
1405	1	Sarah A. & Jesse E. Slichter	Floodwater Alkali Creek	26	33	73	108.9	900	1911
1406	2	Malcolm Moncreiffe	Small Creek	25	54	84	41.6	2000	1910
1407	1	George W. & Hattie M. Edwards	South Fork Lake Creek	5	17	82	5.80	3500	1912

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1408	3	Wyoming Central Irrigation Co.	Bull Lake Creek	30, 31 3, 4, 5, 6 25, 26, 27, 32, 33, 34, 35, 36	3 N. 2 N. 3 N.	2 W. 3 W. 3 W.	74908	100000	1912
1409	1	Sterling M. Knudsen	Spring	33	33	83	93	100	1910
1410	4	William Newbrough & John R. Arnold	Bear River	29, 30, 31, 32 5, 6, 7, 8, 17, 18, 19, 20, 29, 30, 31, 32 1, 2	18 17 16	120 120 121	192884.2	250000	1912
1411	1	E. H. Fourt	Rock Creek	22	28	99	25	5000	1909
1412	1	E. H. Fourt	Gulch Creek	16	29	99	25	5000	1909
1413	1	E. H. Fourt	Little Beaver Creek	11, 10, 9, 4	29	99	25	5000	1909
1414	1	E. H. Fourt	Gold Creek	31	29	101	25	5000	1909
1415	1	Lincoln Land Company	Horse Creek	31	20	60	1000.4	2500	1910
1416	2	Fred Crae	Dry Gulch	26	44	64	20	300	1910
1417	2	Howard Cooper	Gulch, running into S. Powder River	13, 14	35	87	134.55	450	1912
1418	2	Malcolm Moncreiffe	E. Branch Cruse Creek	25	54	84	18	450	1910
1419	3	O. C. Morgan	Slick Creek	26, 27, 34, 35	47	92	449.69	1000	1911
1420	3	Johanah Hundley	Line Creek	28	58	102	120	1500	1911
1421	3	W. F. Johnson, et al.	Elk Creek	13 18	50 50	95 94	1140	13000	1912
1422	3	W. F. Johnson	South Fork Elk Creek	33, 34	50	94	669.5	6500	1912
1423	3	W. F. Johnson	South Fork Elk Creek	25, 26, 35, 36	50	94	927	8500	1912
1424	4	Lewis Royer & Wm. Shinkle	Dry Gulches	18	43	114	78.75	200	1910
1425	3	Wyoming Central Irrigation Co.	Big Wind River	19, 20, 21, 28, 29, 33, 34	3	1 E.	34200	60000	1912
1426	4	W. H. Taylor, G. M. Winkleman & S. J. Brawley	North Piney Creek	19, 20, 29, 30	31	115	1980	8000	1913
1427	4	W. H. Taylor, G. M. Winkleman & S. J. Brawley	North Piney Creek	13, 14, 23, 24	31	115	8880	40000	1913
1428	4	John Walters	Trail Creek Springs	25	20	119	2.52	200	1909
1429	4	John Walters	Lower Trail Creek Springs	25	20	119	1.4	160	1911

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1430	4	John Walters	West Fork Bridger Creek	14	20	119	1.4	140	1911
1431	4	John Walters	Fossil Spring	13	20	119	2	200	1911
1432	4	John Walters	Correll Springs	28	20	119	3.4	180	1911
1433	4	John Walters	Hay Hollow Springs	1	20	119	5.4	150	1911
1434	4	John Walters	Road Hollow	35	20	119	4	225	1911
1435	4	John Walters	Herd Hollow Creek	9	19	119	5	190	1911
1436	4	John Walters	Clear Creek	8	20	118	6.75	200	1911
1437	1	J. Blankenship	Dry Laramie	20	25	69	48	100	1910
1438	1	John Tobin	Bates Creek	11	31	81	942.20	7540	1912
1439	2	Fortes N. King	Dry Creek	25	58	63	135	467	1909
1440	2	Royal D. Salisbury	Inyan Kara Creek	5	49	64	19.2	400	1909
1441	2	John A. Dodd, Fountain C. & Martha King	Lone Tree Creek	23, 24	57	62	349.38	1000	1911
1442	2	L. L. & Gertrude Zing	North Fork Dead Man Cr.	22	55	79	24	300	1909
1443	2	S. Welton	South Fork North Fork Wild Horse Creek	11	54	76	14	200	1909
1444	2	John H. Grove	Sand Creek Draw	32	51	67	65.64	1250	1911
1445	3	Samuel P. Staples	North Fork Mud Creek	14	8	3 E.	38	200	1911
1446	3	Elihu Bean & A. A. Sheley	Stagner Creek	11	5	4 E.	56.1	1600	1912
1447	1	William Attebury	Dry Laramie	21	25	69	30.80	500	1909
1448	4	W. D. Thompson	A lake	33	31	103	238	650	1912
1449	1	Nathan Bagley	Gulch, leading into Antelope Creek	12	22	68	15	100	1909
1450	1	Henry Bernhard	Luman Creek	14	24	70	16	200	1909
1451	1	Martin Gross	South Willow Creek	6	31	75	7.8	1850	1911
1452	1	John T. Snow	Rawhide Creek	27, 34, 35	27	62	623.04	6800	1912
1453	2	Colorado Colony Ditch Co	Cross Creek	15, 22	53	86	69.45	3000	1912
1454	2	Colorado Colony Ditch Co	Cross Creek	15	53	86	163.5	3500	1912
1455	2	Colorado Colony Ditch Co	Cross Creek	15	53	86	54.824	2500	1912
1456	1	C. F. McFarland	Dry Gulch	27, 34	33	80	5.795	650	1912
1457	1	C. F. McFarland	Dry Gulch	27, 28	33	80	20.779	1200	1912
1458	1	C. F. McFarland	Dry Gulch	27	33	80	9.954	1700	1912
1459	2	W. E. Wagner	Tongue River	11	57	84	1337	17000	1911
1460	2	Nellie P. Oberreich	Little Youngs Creek	23	58	84	12.5	100	1909
1461	2	Ray Wellman	Surface storm water	36	47	67	44	1500	1912

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1462	2	Leroy & Royal D. Salisbury..........	Inyan Kara Creek..........	3, 4	49	64	5.658	200	1910
1463	1	Maple Grove Land & Livestock Co...	Horse Creek	11	18	62	436.17	20000	1910
1464	1	Maple Grove Land & Livestock Co...	Four Mile Draw & Horse Creek	25	19	62			
				29, 30	19	61	2045.72	36000	1910
1465	1	Maple Grove Land & Livestock Co...	Horse Creek	1	18	62	535.724	35000	1910
1466	3	Joseph Blonde & C. E. Blonde......	Three Branches Willow Cr..	27, 28	7 N.	1 W.	1251.98	4280	1912
1467	1	Lena Speyerer	Willow Creek	6	28	89			
				1	28	90	310.58	2250	1910
1468	1	Charles C. Hurry.....................	Iron Creek	7	32	82			
				12	32	83	64.68	2500	1912
1469	1	Henry Noll	Dry Fork Sand Creek......	32	34	73	10.29	450	1911
1470	1	Mrs. Dora Knott.......................	Dickerson Draw	29, 30	27	63	212.43	6000	1912
1471	2	Hattie A. Taylor......................	Rasmussen Draw	3	56	83	10	200	1910
1472	2	Jesse & Harry Boner..................	Draw, trib. Blacktail Cr...	20	37	61	61.368	500	1909
1473	2	William Werner	Cheyenne River	28, 27, 22	39	70	226.44	2600	1911
1474	1	Warren Live Stock Company.........	Lone Tree	4	12	67	160	....	1910
1475	1	Warren Live Stock Company.........	Lone Tree	16	12	67	160	1750	1910
1476	1	Warren Live Stock Company.........	Lone Tree	3, 4, 9, 10	12	67	607.62	5000	1910
1477	1	Eugenia R. Hall......................	Cutoff Creek	28	25	69	72	150	1910
1478	3	Carl O. Thomsen......................	Unnamed Gulch	34	51	101			
				3	50	101	124	3500	1911
1479	2	Chris Ruffing	Dry Draw	20	37	62	17.67	500	1911
1480	2	Christina Thomas	Dry Draw	11, 14	37	62	29.94	800	1912
1481	2	Christina Thomas	Dry Draw	14	37	62	54.36	275	1910
1482	2	George H. Snodgrass.................	School Sec. Spring Gulch..	16, 17, 20, 21	40	81	702.5	2600	1912
1483	2	Benjamin Doud	Donkey Creek	1	49	73	4.6	150	1910
1484	2	Clarence Haigler	Dead Horse Creek..........	5	47	74	6	200	1910
1485	2	Fortes N. King........................	Dry Gulch	29	58	62	52.5	400	1912
1486	2	Elmer Shepperson	Dry Gulch	8	49	63	1	100	1911
1487	3	George L. White......................	White Gulch	17	51	94	150.99	200	1912
1488	3	Bighorn Sheep Company.............	Badwater Creek	3, 4	38	90	22.99	1500	1910
1489	3	Bighorn Sheep Company.............	Badwater Creek	4	38	90	33.45	1500	1910
1490	1	W. S. Swearingen.....................	Little Cottonwood Gulch...	32	13	91	35.46	1200	1911
1491	1	Donahue Brothers	Little Horse Creek..........	26, 35	18	63	45	1500	1910

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1492	1	G. S. Clayton	East & West Forks Vernon Creek	35	33	75	7.289	500	1910
1493	1	H. C. Taylor, President, Southern Wyoming Power Company	Laramie River	22, 23, 26, 27, 34, 35	13	77	14466	35000	1911
1494	1	Augusta Adams	South Casper Creek	26	34	83	195	1000	1911
1495	1	C. P. Sheehan	Quaking Asp Creek	33	28	92	88.36	1000	1912
1496	2	W. J. Barker, Allie M. Barker and S. B. Gwinn	Turner and Swank Draw	10	57	86	225.6	1500	1910
1497	2	Lydia E. Sackett	North Branch Fiddle Creek	24, 25	46	65	23.85	450	1911
1498	3	Eugene McElwee	North Fork Mud Creek	14	8	3 E.	63.96	250	1911
1499	3	H. K. Sweeney	Trapper Creek	21	52	88	456.64	2000	1910
1500	3	John A. Thompson	Owl Creek	9	43	96	609.90	5000	1912
1501	3	John A. Thompson	Owl Creek	7	43	96	137.22	2000	1912
1502	3	Roy Niccolls	East Fork No Water Creek	36	46	91			
				1	45	91	721.648	1200	1911
1503	3	Roy Niccolls	East Fork No Water Creek	1, 2	45	90	1046.985	9000	1911
1504	2	Elphraid Rowland	Baety Gulch	36	57	84	33	200	1911
1505	2	Frank V. Watt	Box Elder Forks	22	48	67	1.296	130	1910
1506	2	C. P. Meeks	Lodgepole Creek	10, 11	44	67	4	125	1910
1507	2	C. P. Meeks	Sage Creek	28	45	67	35	500	1910
1508	2	James Stirling & Frank Douglas	West Fork Hay Creek	6	45	66	.33	25	1910
1509	2	James Stirling & Frank Douglas	West Fork Hay Creek	6	45	66	33	600	1910
1510	1	William L. & Mrs. Bertie Miskimins	Horse Creek	13	19	61	26.019	350	1911
1511	2	W. D. Lovell	East Fork Big Goose Cr.	15, 16, 21	53	86	7395	100000	1911
1512	1	H. A. Johnson	A gulch	11	35	83	26.369	600	1909
1513	3	Christina Bosch	Ten Mile Creek	28, 29	48	93	345.04	5000	1911
1514	3	O. C. & H. L. Bonine	Little Slick Creek	3, 10, 11	46	92	376.01	4000	1912
1515	1	John S. Fox	North Laramie River	13, 14	25	69	1979.2	3600	1912
1516	1	John S. Fox	North Laramie River	17, 18, 19, 20	25	68	1300	2500	1912
1517	1	John S. Fox	North Laramie River	15, 22, 23	25	68	3148.25	1600	1912
1518	3	Jozina Davis & Frank Twidale	Spring Gulch, trib Alkali Cr	18	38	87	82.5	2500	1912
1519	1	Frances L. Stamy	Draw, trib. Broom Creek	20	29	65	2.6	50	1910
1520	1	Eliza J. Brownrigg	Draw & Spring, trib. Patten Creek	29	29	65	8.28	100	1910

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1521	1	Maude Graybill & L. E. Brownrigg..	Two Springs & Draw, trib. to Cottonwood Creek....	1, 12	28	65	64.26	1600	1912
1522	3	John Bunker	Brokenback Creek	26	48	89	195	2000	1912
1523	1	L. E. Brownrigg........................	Draw, trib. Cottonwood Cr.	12	28	65	227.5	6500	1912
1524	1	John T. Snow...........................	Rawhide Creek	27, 34, 35	27	62	647.52	5800	1911
1525	2	Daisy Wagstaff	West Fork Dry Creek......	13	48	64	.60	100	1910
1526	2	Weston Harvey	Dry Draw	2	54	71	40	700	1911
1527	2	Hugh McLennan	Deer Creek	3	51	67	11.25	200	1910
1528	2	Samuel L. Crosby......................	Tributary of Miller Creek..	20	51	68	5.25	200	1910
1529	2	William H. Merryman..................	Thompson Creek	22	58	68	8	250	1910
1530	2	Ben M. Doud...........................	North Prong Donkey Creek	34	50	73	6	200	1910
1531	2	W. C. Reid............................	Reid Draw	33	56	81	1.564	400	1910
1532	2	C. P. Cobman..........................	Floodwaters Soldier Creek..	11, 12	55	86	4.375	200	1909
1533	3	E. L. Fly..............................	Poison Creek	11	36	88	43.4	676	1912
1534	3	Fred A. Gabus.........................	Flood Gulch, trib. Big Horn River	4	37	94	22.75	1075	1912
1535	3	Fred A. Gabus.........................	Flood Gulch, flowing into Wind River	4	37	94	8	185	1912
1536	3	John A. Skinner.......................	Dry or Flood Gulch........	34	38	94	3.15	75	1910
1537	4	Perry W. & Julia A. Hendricks......	Horse Creek	16	23	119	165	800	1911
1538	3	H. O. Emery...........................	Springs	2	42	95	.157	105	1910
1539	3	E. C. Winchester, et al...............	Owl Creek	1	43	97	98.33	600	1912
1540	3	E. C. Winchester, et al...............	Owl Creek	1	43	97	179.4	1000	1912
1541	2	W. H. Wallace, for Parkman Irrigation District	Branch, S. Fk. Tongue R..	11, 12, 13, 14	54	88	1323	12200	1912
1542	2	W. H. Wallace, for Parkman Irrigation District	Branch Five Mile Creek, Tongue River & Fools Cr.	6	57	86	51.75	1600	1912
1543	2	W. H. Wallace, for Parkman Irrigation District	Tongue River & Fools Cr..	6	57	86	58	2300	1912
1544	1	Nan S. Brownrigg......................	Draw, trib. Patten Creek...	32	29	65	2.1	50	1912
1545	1	Nan S. Brownrigg......................	Patten Creek	32	29	65	21.25	400	1912
1546	1	W. B. Fry & R. B. Cathern..........	South Fk. Encampment C..	3, 4, 5, 8, 9, 10, 11, 14, 15, 16	12	84	37800	1380000	1912

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1547	1	W. B. Cameron, for Sierra Madre Reservoir project	Methodist Creek	23, 24	16	86	2678.5	15000	1912
1548	1	W. B. Cameron, for Sierra Madre Reservoir project	North Spring Creek	19	16	85	6355.5	25000	1912
1549	1	Henry V. Johnson	West Fork Cottonwood Cr.	34, 35	29	91	122.2	1200	1912
1550	1	Floyd Conner	Draw, trib. Cottonwood Cr.	34	29	64	19.59	100	1910
1551	1	Louis Gunst	High Water from Beaver Creek	19	14	82	48.944	1000	1912
1552	1	Louis Gunst	High Water from Beaver Creek	24	14	83	192.92	2000	1912
1553	1	Arthur Gaylord & Francis B. Hathaway	Fork of Middle Casper Cr.	1, 12, 11	34	86	512.58	5350	1912
1554	1	Thomas Hutchison, et al.	Alkali Gulch	9	32	73	109.65	700	1912
1555	3	Lizzie C. Gould. et al.	Grey Bull River	24	51	95	208.6	3000	1912
1556	1	Fred Hildebrand	A Draw	33, 34	34	73	38.5	640	1910
1557	1	City of Cheyenne	South Crow Creek	2, 3	13	70	3970.62	90000	1912
1558	1	Jacob & Victor Lakso	Draw	7	32	75	13.5	100	1910
1559	2	James B. & John B. Ricks	Rawhide Creek	34	51	73	72	300	1910
1560	2	Plisha Gupton	Cottonwood Draw	11	53	73	12	300	1911
1561	2	Plisha Gupton	Sage Draw	1	53	73	3	75	1911
1562	2	John Grant	Hay Creek	20, 21	52	72	4.8	150	1911
1563	2	Florence L. Collins	Box Elder Creek	2	53	72	15	500	1911
1564	2	Sarah A. Brown	Antelope Draw	14, 23	57	61	136.35	500	1911
1565	2	G. C. Benedict	Benedict Draw	28	58	85	15	200	1912
1566	2	Eric Halverson	Lamb Creek	35	50	70	10.8	300	1911
1567	2	Theodore M. Dunbar	A Dry Gulch	5	50	79	3.8	400	1911
1568	2	Mrs. Cecil D. Luddecke	A Dry Gulch	7. 18	50	79	8.4	1000	1911
1569	2	Ida E. & Edward I. Brainerd	Coyote Creek	33	48	65	110.48	2000	1910
1570	2	William H. Brown	Antelope Creek	30. 31	58	61	48.6	600	1912
1571	2	William H. Brown	Antelope Creek	30	58	61	37.5	500	1912
1672	1	Alexander Gillespie	Boswell Springs Creek	36	23	75	151.05	1200	1910
1573	2	William H. Brown	Antelope Creek	30	58	61	28.98	500	1912
1574	2	Burton L. Reno	West Drainage Little Thunder Creek	11	43	72	14	700	1910

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1575	2	E. B. Williams	Springs	6	54	81	4.125	300	1910
1576	2	K. C. Jones	Jones Draw	18	54	80	16	200	1911
1577	2	Lincoln F. Kelly	Cottonwood Canon	21	41	80	49	2500	1912
1578	2	Emma S. Van Gorden	Nine Mile	5, 8	41	75	420	6000	1911
1579	2	Emma S. Van Gorden	Nine Mile	5	41	75	32	1200	1911
1580	2	J. W. Howell	North Drainage Black Tail Creek	17	44	61	4.8	250	1910
1581	1	La Prele Ditch & Reservoir Co.	La Prele Creek	21, 27, 28, 29, 32, 33, 34	32	73			
				4, 5	31	73	29120	245000	1910
1582	3	P. E. Denny	Poison Creek	27, 28	38	94	18.6	125	1911
1583	3	P. E. Denny	Flood trib. Poison Creek	33	38	94	20.665	....	1911
1584	3	A. C. Newton	Springs	32, 33	54	103	41.72	370	1911
1585	3	A. C. Newton	Traill Creek	12	53	103	14.85	400	1911
1586	3	A. C. Newton	Traill Creek	12	54	103	26.4	400	1911
1587	3	A. J. Dodge & E. S. Heims	Little Rock & Lake Creeks.	unsurveyed	57	103	143.93	4000	1912
1588	4	August Linden	Dipper Creek	13	22	118	20	375	1911
1589	4	Anna Linden	Linden Creek	24	22	118	12	450	1911
1590	4	J. D. Noblitt	Poison Creek	1, 2	24	120	21.5	1000	1913
1591	4	J. D. Noblitt	Underwood Creek	1	23	119	12.3	1500	1913
1592	4	J. D. Noblitt	Wyman Creek	1	23	119	14.42	1500	1913
1593	1	G. E. Willy	Sullivan Draw	25	26	63	40	800	1911
1594	1	Mary Willey	Floodwater in Todd Draw	7, 8	26	62	63	1000	1911
1595	1	C. P. Sheehan	Wood Gulch	13	29	93	102	2000	1912
1596	1	Angus McPherson	Dry Gulch	28	36	79	93.89	1500	1911
1597	1	I. L. Ambler	Beery Springs	3	22	77	111.2	400	1911
1598	1	William L. French	Dry Gulch Floodwater	30	30	68	60	750	1913
1599	1	William L. French	Dry Gulch Floodwater	29	30	68	17.5	300	1913
1600	1	Herman V. S. Groesbeck	Seepage water	25	15	77	47.20	100	1909
1601	1	Vernon Ditch & Reservoir Company.	Hunton & Batt's Creeks	25	33	75	6.10	400	1911
1602	1	Vernon Ditch & Reservoir Company.	Batt's, Hunton & Buzzard Creeks	8	32	75			
				34	33	75	29.37	1200	1912
1603	1	Wint Sensabaugh	Bear Pen Creek	7	30	77	21	35	1910
1604	1	John Hakala	Dry Creek	6	32	75	1.2	150	1910

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1605	1	A. K. Walla	Willow Creek	20	14	73	70.5	350	1911
1606	1	C. E. Ankney	Borall Creek	2	22	70	32.2	1800	1912
1607	1	C. E. Ankney	Borall Creek	2, 11	22	70	48.6	2200	1912
1608	1	Jake Huff	West Antelope Gulch	13, 14	35	83	76	1800	1912
1609	1	Jake Huff	East & West Antelope Gulches	23, 24	35	83	16	....	1910
1610	2	Eugenia Durand	West Fork Dry Creek	18	48	63	.53	40	1910
1611	2	Samuel McKean	Cedar Forks	31	51	66	9.63	300	1910
1612	2	Cecilia, Samuel & I. G. McKean	Deer Creek	30	51	66	5.94	100	1910
1613	2	Bruce Watt	Cottonwood Creek	32	49	67	8.4	200	1910
1614	2	David Carpenter	Dry Creek	20	48	63	.69	45	1911
1615	2	Robert E. Kelly	Dry Creek	31	50	80			
				6	49	80	567.16	1000	1911
1616	2	Rate & Huson	Pin Head Creek	14, 15	54	80	72	2000	1911
1617	2	Earl & Bessie F. Whedon	Whedon Gulch	7	56	78	24.64	1400	1911
1618	2	Earl Whedon	Nameless dry gulch	17	56	78	.5	125	1911
1619	2	William Podlaszewski	Small Spring Branch	26	48	61	6.40	350	1910
1620	2	Mary Welch	Nameless trib. Youngs Cr.	22	58	84	15.40	600	1912
1621	2	J. B. Wulff & C. C. Reynolds	Dry Creek	27	58	84	10.72	675	1912
1622	2	George H. Amos	All Knight Creek	15	48	74	9	300	1910
1623	2	Romeo Durand	Dry Creek	18	48	63	2.16	100	1911
1624	3	Grant Brown & Mattie Goltry	Chrystal Creek floodwaters	6	45	93			
				31	55	93	161.64	2000	1911
1625	1	F. T. Humberson	Red Gulch	31, 32	30	68	319.6	3500	1912
1626	1	Starling P. Asbell	Sage Hen Creek	15	32	89	49.09	1000	1911
1627	1	City of Laramie	Soldier Creek	14	15	73	588.74	15000	1914
1628	3	Daniel Root	Sioux Creek	22	40	89	99.26	5509	1913
1629	3	Essie M. Patterson	Springs	1	41	88	16.38	150	1911
1630	3	Essie M. Patterson	Springs	1	41	88	11.6	100	1911
1631	2	J. Wilson Van Gorden	Ba Ba Gulch	2, 3, 11	41	75	212.5	1800	1912
1632	3	J. F. Gould, et al.	Grey Bull River	23, 24	51	95	110.4	2000	1911
1633	2	E. R. Maris	Drainage of Blacktail Cr.	17, 20	44	61	29.5	1450	1910
1634	1	Matt & Geneva E. Weber	Gulch	19, 30	13	90	2220	2800	1913
1635	1	William Reynolds & Arthur L. Blair	Trib. Silver Spring Creek	34	32	64	63.97	800	1912

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1636	1	City of Laramie	Soldier Springs or Soldier Creek	11, 14	15	73	847.59	10000	1914
1637	1	John & Frank Roseberry	North Casper Creek	34, 35	37	82	117	1000	1910
1638	1	John & Frank Roseberry	North Casper Creek	10, 15	36	82	390	3000	1910
1639	1	W. H. Beckstead	Ledge Creek	21, 22	30	82	50	1000	1912
1640	1	Viola & Eoline Hudson	Fish Creek	19	26	68	46.8	400	1910
1641	1	Wm. Wahlert & Geo. Plahn	Brush Creek	3	32	88	32.21	2019	1912
1642	1	James B. Quigley	Muddy Creek	22	27	89	38.5	420	1912
1643	1	James B. Quigley	Muddy Creek	15, 22	27	89	39.6	630	1912
1644	1	Ambrose M. House	Bull Springs Creek	6	24	89	14	550	1912
1645	1	Clarence E. Harper	Little Camp Creek	6	27	89	21	850	1912
1646	1	Paul Pascoe	Wolf Canon, Fork Canon & Table Rock Canon	21	18	73	21	40	1910
1647	1	Paul Pascoe	Frolic. Deer Lick & Long Canons	29	18	73	156	100	1910
1648	1	Paul Pascoe	Frolic. Deer Lick & Long Canons	33	18	73	33	150	1910
1649	2	Delilah J. McDonald	Horse Creek	33	48	72	63.6	1500	1911
1650	1	Levi C. Bell	Casper Creek	3	32	87	5.74	200	1910
1651	1	R. D. Stewart	Nash's Fork	13, 24	15	79	392	6500	1913
1652	1	R. D. Stewart	Libby Creek	23	15	79	77	25000	1913
1653	1	R. D. Stewart	Libby Creek	24 19	15 15	79 78	90.75	22500	1913
1654	1	C. F. McFarland	Misters Creek	26, 27	33	80	47.66	1600	1911
1655	2	Fred G. Williams	Filled by flood waters	36	47	68	50	1700	1912
1656	2	E. R. Maris	Spencer Lake	22	44	61	6	75	1910
1657	1	A. H. Christensen, A. H. Allen & John K. Hartt	Muddy Creek	6 1, 2, 10, 11, 12, 14, 15	17 17	91 92	42730.46	480791	1914
1658	1	Mrs. Minnie B. Cranor	East Cottonwood Creek	36 2	29 28	91 91	75	1500	1912
1659	1	John Kock	Spring	15	13	73	2.2	50	1910
1660	1	William Phelps	McMurray Creek	10	22	70	96	2600	1912
1661	2	Eda Minter	Sheep Canyon	1, 12	46	65	378.2	4000	1912
1662	2	Willie R. Thompson	Tributary of Deer Creek	11	51	67	15	500	1911

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1663	2	Fred Dilts	Bear Creek	26, 35	39	73	554.8	1350	1912
1664	2	Walter C. Reid & Frank Hereford	S. R. Creek	2	55	81	10.08	360	1911
1665	2	D. M. Pool	Dan's Gulch	21	56	78	2.5	180	1912
1666	2	Louis Nelson	East Fork Big Goose Creek	19, 30	52	86	783.6	4500	1911
1667	2	Jeff Davis	Meek's Canyon	6	48	63	3.12	200	1911
1668	2	Frank D. & Effie McGregor	Sage Draw	24	51	67	9.45	200	1911
1669	4	J. D. Noblitt & J. A. Truitt	Erwin Creek	20	25	119	31.2	1450	1912
1670	4	J. D. Noblitt & J. A. Truitt	Potatoe Creek	29	25	119	18	640	1912
1671	4	J. D. Noblitt & J. A. Truitt	Potatoe Creek	29	25	119	24.5	800	1912
1672	4	J. D. Noblitt & J. A. Truitt	Erwin Creek	19	25	119	10.5	640	1912
1673	4	Anna Nelson	Grade Canon Creek	16	25	118	14.70	527.44	1911
1674	3	Clyde & Samuel Ellis	Red Canyon Creek	21	42	95	103.35	800	1911
1675	4	Christopher & Rose Juel	Little Sandy Creek	3, 10	28	104	189.38	3500	1912
1676	4	Christopher & Rose Juel	Little Sandy Creek	12	29	104	37.63	700	1912
1677	4	Uinta Development Company	Black's Fork River	27, 28, 29, 32, 33, 34 5, 6	17 16	114 114	16787.96	58714	1914
1678	1	Frank C. Bosler	Rock Creek, Medicine Bow River. E. Fk. Medicine Bow River	13, 24, 25 17, 18, 19, 20, 30	19 19	78 77	82177.99	300000	1914
1679	1	Barker Brothers	South Casper Creek	4, 5	34	82	437.798	525	1912
1680	1	A. J. Covington, Jr.	North Broom Creek	14	29	66	9	600	1912
1681	1	A. J. Covington, Jr.	North Broom Creek	14, 23	29	66	3.9	400	1912
1682	1	Mrs. G. S. Summers	Beaver Creek	5, 6	14	82	40	700	1911
1683	1	W. J. Brownrigg	Prairie Springs & Prairie Springs Draw	33, 34	29	64	76.6	450	1912
1684	1	James Atkinson, Sr.	Runoff from reservoir	35	26	75	28.75	100	1910
1685	1	Charles E. Winter	Brooks flowing into Silver Lake	17, 18	14	85	209.72	1200	1913
1686	1	R. M. Jamieson	Wall Rock Creek	36	19	73	28	750	1912
1687	1	Phillip M. Flavin	Three Mile Gulch	10	33	75	8.75	400	1912
1688	1	City of Cheyenne	N. & S. Branches N. Crow Creek	30, 31 25, 36	15 15	70 71	3712.64	175000	1914
1689	1	John E. Higgins	Dry & Hunton Creeks	23	33	75	203.28	1500	1911

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1690	4	Ada Poston	Elk Mountain Draw	22	28	106	120	300	1912
1691	1	John G. Sutton	City Creek	26, 27, 28, 34, 35	21	88	28904.13	160000	1911
1692	1	Ed. L. Patrick	Red Cloud & Rawhide Crs.	31, 32	28	62	76.724	700	1912
1693	1	Ed. L. Patrick	Red Cloud Creek	32	28	62	4.20	50	1912
1694	1	Chris Klein	Soldier Creek	22	15	73	724.395	4000	1912
1695	1	John E. Higgins	Hunton & East Fork Dry Creeks	27	33	75	33.5	1000	1911
1696	1	Green Mountain Sheep Company	Abel & Camp Creeks	2	26	90	664	1880	1913
1697	2	C. L. Ware	Alkali Draw	23, 26	48	67	77.5	600	1910
1698	2	C. L. Ware	Coal Draw	27	48	67	6.8	200	1911
1699	2	C. L. Ware	Duck Creek	22	48	67	7.5	350	1910
1700	2	J. H. Perry	West Fork Turner Creek	1	47	65	6.16	300	1911
1701	2	Frances M. Boner	Draw, trib. Blacktail Creek	19 24	37 37	61 62	3.15	275	1910
1702	2	Lizzie Babcock	Draw, trib. Crazy Woman Creek	8	51	79	2	125	1911
1703	2	C. J. Hepp	South Prong, S. Fk. Piney Creek	14, 15	51	85	1550.27	10000	1912
1704	2	C. B. Holmes	East Fork Big Goose	21, 28	53	86	600	6000	1912
1705	2	W. D. Lovell	Cross Creek	4, 9	52	86	383.24	10000	1912
1706	2	Louis G. Bare	Cub Creek	13	57	62	187.2	500	1911
1707	2	Oliver Still	West Fork Well Gulch	26	46	79	82.25	1600	1912
1708	1	Johnson Land & Irrigation Co.	Middle Casper Creek	5, 6, 7, 8, 9	35	82	11865	65000	1914
1709	1	Johnson Land & Irrigation Co.	South & Middle Casper Crs	6, 7 1, 12	34 34	80 81	2836.5	20000	1914
1710	3	J. J. Bevelhymer	Paint Creek	3	55	103	1116	400	1911
1711	3	J. A. Delfelder	Poison Creek	34	87	88	1.75	200	1910
1712	3	J. A. Delfelder	Horse Shoe Gulch	34	35	92	25.875	175	1910
1713	3	R. R. Small	Floodwater, Sec. 29, T. 51 N., R. 95 W.	29	51	95	1275	3000	1912
1714	3	W. F. Johnson	South Fork Elk Creek	33, 34	50	94	669.5	6500	1913
1715	3	W. F. Johnson	South Fork Elk Creek	25, 26, 35, 36	50	94	927	8500	1913
1716	3	Chicago & Northwestern R. R. Co.	Tributary Bad Water Creek	14	37	87	51.6	813	1910
1717	1	C. T. Ahlstrand	Crow Creek	16, 20, 21	13	63	2065.7	24000	1912
1718	1	John McLauchlin	North Horse Creek	9	17	70	360	2000	1912

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1719	1	James Phillips, Sr.	Spring, Sec. 6, T. 28 N., R. 83 W.	6	28	83	1.5	100	1911
1720	1	J. L. Bovee	Luman Creek	8	24	70	25.2	200	1911
1721	1	Mrs. Harriet Black	North Elkhorn Creek	14	30	69	30.3	1250	1911
1722	1	Cheyenne Canal Co.	Crow Creek	12, 13 18	14 14	66 65	252	900	1912
1723	1	J. Arthur Otto	Greasewood Draw	14	21	64	35	1700	1912
1724	1	J. Arthur Otto	Greasewood Creek	6 1	21 21	63 64	36	500	1912
1725	1	J. Arthur Otto	Greasewood Creek	6	21	63	62	600	1912
1726	1	D. S. Stout	Cow Creek	17	14	85	305.088	3500	1912
1727	1	Victor H. Miller	North Chugwater Creek	27	20	70	79.2	600	1912
1728	2	Albert G. Challis	Antelope Creek	5	57	61	171.72	800	1912
1729	2	George Hale	Cave Gulch	7	37	86	13.25	200	1912
1730	2	G. A., W. H., D. J., & Estelle J. Palmer	Soldier Creek	7	44	78	476	250	1911
1731	2	George Cassidy	Dry Draw	8	48	71	3.5	150	1911
1732	1	John Mease	Boone Valley Draw	11	26	63	15.306	1062	1912
1733	1	J. L. & Margaret McIntosh	Sage Hen Creek	34	32	89	46.8	850	1913
1734	2	Harry T. Mills	Mills Draw	24	49	72	2.6	200	1911
1735	2	Harry T. Mills	Mills Draw	24	49	72	4.5	200	1911
1736	2	Harry T. Mills	Branch Donkey Creek	19	49	71	6.3	250	1911
1737	2	John Storrie	Hat Creek	19, 20	34	62	390.10	1200	1913
1738	2	John Storrie	Hat Creek	32	34	62	699.96	4500	1913
1739	2	John Storrie	Hat Creek	6	35	62	90	500	1913
1740	2	John Storrie	Hat Creek	19	35	62	70	550	1913
1741	1	Warren Live Stock Co.	Clear Creek	15, 16	13	67	69	1500	1910
1742	2	State of Wyoming	Rainfall drainage	16	37	62	3.75	75	1912
1743	2	Frederick E. Guthrie & Empire Sheep Company	Trail Creek	23	50	68	10	400	1911
1744	2	Joshua Eggart	Draw	26	58	87	4	200	1912
1745	2	Theodore B. Ely	Trib. Belle Fourche River	16	50	67	6.75	300	1911
1746	2	Ralph E. Graves	S. Fk. North Buffalo Creek	34, 35 8	57 56	78 78	134.075	2000	1912

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location: Section	Location: Township	Location: Range	Capacity Acre Feet	Estimated Cost	Date of Completion
1747	2	Donald Thompson	Thompson Fork of Tom Gulch	3	53	79	80.8	900	1911
1748	2	Davis and Collins	Gate Draw	34	53	77	25	400	1912
1749	2	Benjamin Doud	Rock Pile Creek	23	50	73	3.75	150	1911
1750	2	Benjamin Doud	Dry Draw	26	50	73	2	100	1911
1751	2	Alex Archibald	Pumpkin Creek	32	45	75	4.5	200	1911
1752	2	Joseph L. Jordan	Floodwaters East Turner Creek	15	47	63	38	350	1911
1753	3	W. L. Rohrer	Wood River & Buffalo Cr.	18, 19, 30	47	98			
				2, 3, 4, 10, 11, 12, 13, 14, 15, 23, 24, 25	47	99	145000	824500	1914
1754	4	W. H. Taylor & E. H. Parkison	Middle Piney Creek	7, 8, 18	30	115			
				13	30	116	11107.120	33000	1914
1755	3	Geo. W. Wortham, Wm. Groshart & Charles E. Bain	Gooseberry Creek	1	46	95			
				36	47	95	522	8289	1913
1756	1	W. S. Miller, et al.	Box Elder Creek	21	22	64	38477.54	3500	1911
1757	3	Minnie Pierce	Badwater Creek	8, 17	38	93	48.49	300	1913
1758	3	Lizzie L. Davis	Floodwater	12, 13	52	102	61.5	1000	1912
1759	3	Lizzie L. Davis	Floodwater	13	52	102	43.4	800	1912
1760	3	R. L. McGin	Wagon Hawn Creek	33	45	98	418.88	3500	1913
1761	3	E. M. Shoop	Spring	25	9	2 E.	7.7	200	1913
1762	1	Henry and Hermine Schnoor	Bates Creek	33	31	80			
				4, 5	30	80	131.505	250	1912
1763	1	Sampo Coal Company	Draw, trib. Medicine Bow R.	35	23	81	38.442	4000	1913
1764	1	Mrs. Bertha Stroschein	Dutton Creek	1, 2	19	76			
				6	19	76	390	1200	1913
1765	1	W. P. Kimball	Antelope Creek	4	32	71	28.75	600	1913
1766	1	W. C. Ledbetter	Indian Creek	22, 27	14	83	44.187	1200	1913
1767	1	Wm. H. D'Esterre	Indian Creek	22	14	83	231.879	3600	1913
1768	1	Augusta & Margaret Adams	South Fork Casper Creek	26	34	83	242.74	2275	1914
1769	1	A. B. Robertson	Eaton Draw	33	27	63	109.62	1000	1913
1770	2	A. M. Brock	Surface water	31	47	81	24.8	300	1911
1771	2	Alex Archibald	Greasewood Creek	31	45	74	6.4	225	1911
1772	2	David & Alice Darlington	Spotted Horse Creek	6	54	74	7.2	200	1911

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1773	2	John Berry	Fiddler Creek	10, 11	45	64	1639.25	10000	1913
1774	2	John Berry	South Beaver Creek	8, 9	43	63	885.6	7500	1913
1775	1	Lincoln Land Company	Fox Creek	18, 19 13	20 20	63 64	1938	4500	1912
1776	1	Etta Irvin	Draw, trib. Cottonwood Cr.	3	28	64	591.6	3000	1913
1777	1	C. R. Countryman	Willow Creek	21	28	89	75	800	1913
1778	1	Mrs. Hanna Lakanan	Lakanan Draw	32	32	75	1.2	70	1912
1779	1	Sheridan Downey	Willow Creek	28, 29, 32, 33	14	73	1041.6	5800	1913
1780	1	Sheridan Downey	Five Mile Creek	15, 22	13	74	4026.1	14000	1913
1781	1	Samuel Ballard	Curtiss Creek	3	31	73	3.6	50	1912
1782	1	Samuel Ballard	Curtiss Creek	3	31	73	4	50	1912
1783	1	Samuel Ballard	Curtiss Creek	3	31	73	1.05	50	1912
1784	1	Samuel Ballard	Curtiss Creek	3	31	73	8.5	50	1912
1785	4	Henry Franklin	Cravin Creek	25	22	115	183	700	1912
1786	3	Myron C. McGrath	West Fork Dry Creek	12	40	93	19.9	1550	1913
1787	3	Emil Thoren	Hoodoo Creek	34	40	93	14.194	425	1914
1788	2	Roy R. Randall	Left Fork Blacktail Creek.	7, 8	44	61	1.6	75	1911
1789	2	Winniefred Berry	Iron Creek	20, 28, 29, 33	47	64	2913.4	15000	1914
1790	1	Rudolf Clausen	Pass Creek	4, 9	18	83	2980	100000	1912
1791	1	A. J. Roath	Chugwater Creek	4, 5	23	67	111.629	2400	1913
1792	1	McDonald & Arnold	Muddy Creek	7, 18	32	77	163.56	1500	1912
1793	1	H. E. Wheeler & L. J. Carmichael	Dry Laramie Creek	27	25	69	250	100	1911
1794	1	M. H. Hartung, et al	Little Medicine Bow River	27, 28	29	77	2900	16500	1914
1795	1	M. H. Hartung, et al	Little Medicine Bow River	25, 36	29	77	5707.14	75000	1913
1796	1	Tony Tomiska & Joe Butcher	Fish Creek	21	26	67	30.02	525	1913
1797	1	Tony Tomiska & Joe Butcher	Fish Creek	22	26	67	68.09	2660	1913
1798	1	Mrs. Rose Tomiska & H. K. Tire	Fish Creek	22, 23	26	67	10.82	100	1913
1799	1	Ethel Wallace	Cooper Creek	31	19	76	899.1	6500	1914
1800	1	Louis C. Todd	Fish Creek	2, 3	25	68	404.64	500	1911
1801	1	George S. Smith	Grease Wood Creek	33	22	64	160	2000	1912
1802	1	Mrs. Mabel Edith Allen	Spring Creek	15	20	71	45.51	1000	1913
1803	1	James Galleger	Marble Quarry Creek	1	24	70	54.9	881	1912
1804	1	James Grant	Spring Creek	26	32	71	10	180	1913
1805	2	Maude Wakeman	Wakeman Draw	18	49	66	24	450	1911
1806	2	Jessie A. & John W. Mulholland	Fork Wind River	29	49	66	57	700	1911

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1807	2	Mrs. Bessie Knight	Dry Draw, trib. Blacktail Creek	33	43	61	28.14	1000	1913
1808	2	Mrs. Bessie Knight	Dry Draw, trib. Blacktail Creek	4	42	61	17.65	1200	1913
1809	2	Mrs. Bessie Knight	Dry Draw, trib. Blacktail Creek	3	42	61	5.49	800	1913
1810	2	H. B. Stoops	Stoops Draw	16	57	86	15	500	1912
1811	2	C. W. Bard	Jenning's Gulch	17	54	83	16.8	320	1912
1812	2	Mrs. Jennie E. Butterfield	Butterfield Draw	29	54	81	25	100	1912
1813	2	Gertrude N. Rouch	Newby Creek	14	57	62	140.98	600	1913
1814	2	Lillie Thomas	Fork of Buffalo Creek	11	48	67	126	1200	1911
1815	2	Lillie Thomas	Buffalo Creek	11	48	67	15	300	1911
1816	2	Frank Watt	Box Elder Creek	21	48	67	4	300	1911
1817	2	Frank Watt	Box Elder Creek	15	48	67	.5	70	1911
1818	2	Wm. Pfister	Dead Horse Creek	27	49	75	10	300	1911
1819	2	George H. Amos	All Knight Creek	14	43	73	12	100	1911
1820	2	Harry M. Hunter	Olmstead Creek	15	57	71	14	150	1912
1821	2	Harry M. Hunter	Olmstead Creek	15	57	71	24	200	1912
1822	2	Hall & Company	South Pumpkin Creek	18	45	75	33	300	1911
1823	2	Hall & Company	North Grease Wood Creek	21	45	74	9	....	1911
1824	2	Don Roland	Beatty Gulch	25	57	84	140	250	1912
1825	2	George Bradley	Bradley Gulch	1, 2	25	66	414	500	1913
1826	2	William T. Roberts	Dog Creek	12	54	71	80	1000	1912
1827	2	William T. Roberts	Camp Creek	7, 18	54	70	66	900	1912
1828	2	John T. Daly	Raw Hide Creek	15	51	73	64	960	1911
1829	2	Bessie Belle Gupton	Soft Water Draw	11	53	73	24	300	1912
1830	3	Sara A. Wilson & John Cunningham	Tough Creek	18	40	93	2.57	1450	1912
1831	4	N. W. Reynolds, et al	Pine Creek	34	25	118	25	700	1913
1832	4	N. W. Reynolds, et al	Pine Creek	35	25	118	39.6	1000	1913
1833	4	N. W. Reynolds, et al	Sublette Creek	8	24	118	2.8	200	1913
1834	4	N. W. Reynolds, et al	Sublette Creek	8	24	118	7.65	200	1913
1835	1	J. M. Trevett	Natural Lake Bed	9, 10	33	80	22	10	1911
1836	1	J. M. Trevett	Natural Lake Bed	10	33	80	43.68	10	1911
1837	1	A. K. Walla	Willow Creek	21, 28	14	73	93.06	100	1912
1838	1	F. T. Humberson	South Elk Horn Creek	25, 36	30	69	837.4	16000	1914

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1839	1	F. T. Humberson	Elk Horn Creek	5	29	68	349.68	6000	1914
1840	1	Correnia A. Sullivan	Mountain Lion Creek	25	22	64	41.18	1200	1914
1841	4	Mary McKeon	Hawkin's Creek	22	26	118	14.14	900	1911
1842	4	A. Molinar	Dry Gulch	1, 2	20	117	65.8	600	1913
1843	2	Herbert B. Andrus	Allison Gulch	5	41	80	135	2500	1913
1844	2	Herbert B. Andrus	Pine Grove Gulch	31	42	80	279	3500	1913
1845	2	Henry Mahnke	Dry Draw	30	43	60	5.2	150	1912
1846	2	S. V. Washburn	Washburn Draw	18	44	61	1.24	65	1911
1847	2	Henry Knight	Dry Draw	33, 28	43	61	12.8	250	1912
1848	2	Rosa Young	Poison Creek	6	47	82	24.5	200	1912
1849	2	Wm. Oliver	Surface water	13	47	83	3.53	50	1911
1850	2	Olive M. Maxwell	Hay Creek	21	56	79	156	2500	1913
1851	2	John T. Foster & Christ Hammerson	School House Gulch	33	56	79	13	750	1913
1852	2	Bert A. Luman	Clearmont Road Gulch	32	56	79	8	300	1913
1853	1	James Healer	Muddy Creek	3	27	89	410.4	6000	1913
1854	1	Eliza Umfleet	Cottonwood Creek	14, 23	29	83	24.6	1500	1911
1855	1	Gordon L. Wright	Wright's Dry Draw	34	16	77	63	1000	1911
1856	2	R. R. Selway	Spring Creek No. 2	9	54	84	1.5	50	1911
1857	2	R. R. Selway	Sackett Creek	15	54	84	21	400	1913
1858	3	R. B. Lewis	Sand Draw Creek	10	38	89	23.31	2000	1913
1859	3	W. L. Rohrer	Rawhide Creek	2, 3, 4	48	102	34755	420000	1914
1860	3	W. L. Rohrer	Grey Bull River	19, 20, 21, 28, 29, 30	48	101	84200	915000	1914
1861	3	W. L. Rohrer	Spring Creek & Grey Bull River	2, 3, 4, 9, 10, 11 33, 34, 35	48 49	101 101	64700	545000	1914
1862	3	Jacob A. Delfelder	Conant Creek	16, 21	34	93	264.99	3475	1914
1863	1	John Foxton	Horseshoe Creek	35, 36, 25	28	72	1510	....	1914
1864	1	S. W. Johnson, et al.	Medicine Bow River	27, 28, 21, 22, 15	21	79	22705	312000	1914
1865	3	Clarence T. Johnston, Trustee	Big Wind River	19, 20, 28, 29, 33, 34	3	1 E.	31692	38000	1914
1866	3	C. T. Johnston, Trustee State of Wyoming	Dinwoodie Creek	5, 6, et al	4	5 W.	22895.6	45000	1914
1867	3	C. T. Johnston, Trustee State of Wyoming	Dry Creek & Red Creek	16, 17, 20, 21, 22, 27, 28	6	3 W.	74025	40000	1914

RESERVOIR PERMITS ISSUED—Continued.

Reservoir No.	Division No.	NAME OF APPLICANT	SOURCE OF APPROPRIATION	Location			Capacity Acre Feet	Estimated Cost	Date of Completion
				Section	Township	Range			
1868	3	C. T. Johnston, Trustee State of Wyoming	Big Wind River	19, 20, 31, 28, 29, 33, 34	3	1 E.	34200	60000	1914
1869	3	C. T. Johnston, Trustee State of Wyoming	Big Wind River	1, 2, et al	2	2 E.	2305	2500	1914
1870	3	C. T. Johnston, Trustee State of Wyoming	Big Wind River	9, 10, 16	2	2 E.	612	26	1914
1871	3	C. T. Johnston, Trustee State of Wyoming	Big Wind River	17, 18, 20	2	2 E.	9000	45000	1914
1872	3	C. T. Johnston, Trustee State of Wyoming	Bull Lake Creek	30, 31, et al	3	2 W.	74908	100000	1914
1873	1	John T. Grieves	Willow Creek	26	28	90	65.8	330	1913
1874	1	F. W. Berner	Spring Creek	25	20	72	15	500	1913
1875	1	Mrs. Nora R. McGill	Dover Creek	17	22	71	4.4	600	1913
1876	1	Mrs. Nora R. McGill	Dover Creek	16, 17, 20, 21	22	71	13	800	1913
1877	1	Mrs. Nora R. McGill	Joe Creek	20	22	71	11.1	1000	1913
1878	1	Lydia Walker	Pine Ridge Draw	21	27	63	83.99	777	1912
1879	1	Mrs. Julia Henke	Grant Creek	36	21	71	78.26	2500	1914
1880	1	Mrs. Julia Henke	Lone Tree Creek	26	21	71	21.6	1000	1914
1881	1	H. L. Kuykendall	Jack Creek	36	18	85	721.6	4256	1913
1882	1	Mrs. Tiney V. Knott	Long Gulch Draw	24, 13	24	65	78.4	4600	1918
1883	1	Interstate Reservoir Construction Co.	Big and Little Laramie Rivers	18, et al	16	74	37596	26000	1914
1884	1	D. F. Hudson	Long's Creek	16	31	93	48	3000	1913
1885	2	J. H. Dasch	Tributary of Oil Creek	13	44	62	12	100	1911
1886	2	H. R. Locke	Branch of Keets Creek	19, 30	48	64	72.8	2500	1912
1887	2	Slater A. Maxwell & Fred Huntsman	Buffalo Creek	34, 35	56	79	66	900	1912
1888	2	Lee A. Weir	South Fork of Badger Cr.	15	56	81	20	300	1911
1889	2	C. L. & Emmett Davis	Tributary to Lodge Pole Creek	24	44	67	90	500	1912
1890	2	J. C. Spencer	Stockade Beaver Creek	31	45	60	98.28	1200	1912
1891	2	William M. Morrison	Two Tree Creek	29	41	61	3.6	150	1913
1892	2	Blanche Butler	Sand Draw	8	50	72	8	325	1911
1893	2	C. P. Berry	Corral Creek	29	57	73	.6	300	1911
1894	2	Charles O. Rose	Rose Creek	18	54	74	.5	200	1911

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